New Jersey Department of Environmental Protection
Contaminated Site Remediation and Redevelopment

GROUND WATER REMEDIAL ACTION PROTECTIVENESS/ BIENNIAL CERTIFICATION FORM

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Hoffmann-La Roche Inc.

List All AKAs:

Street Address: 340 Kingsland Street

Municipality: Nutley (Township Borough or City)

County: Essex Zip Code: 07110-1199

Program Interest (PI) Number(s): 009949, 625447, 614465

Ground Water Remedial Action Permit (RAP) Number: RAP210001

SECTION B. FEES

☒ Ground Water Remedial Action Protectiveness/Biennial Certification Form for a Ground Water RAP .....(No Fee)

Have all outstanding Ground Water RAP annual fees been paid? .....☒ Yes ☐ No

☐ Post-NFA Cases (Sites without a Ground Water RAP): Ground Water Remedial Action Protectiveness/Biennial Certification Form

Note: A Ground Water RAP Initial Application is required to be submitted with this form. Please see the Compliance Notice: Post-NFA cases requiring remedial action permits, which includes the fee breakdown: https://www.nj.gov/dep/srp/enforcement/post_nfa_compliance_notice.pdf.

	Effective on or Before June 30, 2023	**Effective July 1, 2023**
	MNA - $5,610	$6,100
	Active System- $5,720	$6,320

SECTION C. FEE BILLING CONTACT PERSON

☒ Changed Since Last Submission of the Ground Water Remedial Action Protectiveness/Biennial Certification Form

Date of RAP Contact Information Change Form Submission: 10/31/2024

Business Name: Hoffmann-La Roche Inc.

First Name of Contact: Chandra Last Name of Contact: Patel

Title: Senior Project Manager

Phone Number: (848) 365-4990 Ext.: Fax:

Mailing Address: 150 Clove Road, 8th Floor, Suite 8

Municipality: Little Falls State: New Jersey Zip Code: 07424

Email Address: chandra_c.patel@roche.com

SECTION D. PERSON(S) RESPONSIBLE FOR CONDUCTING THE REMEDIATION

1. Has the mailing address changed for the Person(s) Responsible for Conducting the Remediation that is currently listed on the Ground Water RAP for the site? .....☐ Yes ☒ No

   If "**Yes**", provide the date of the Ground Water RAP Modification Application submission: .....

2. Has the Contact Person/Information changed since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? .....☒ Yes ☐ No

   If "**Yes**", provide the date of the RAP Contact Information Change Form submission: 10/31/2024

SECTION E. CURRENT OWNER(S) OF THE SITE

1. Has the Property Owner changed from what is currently listed on the Ground Water RAP for the site? ☐ Yes ☒ No

   If "**Yes**", provide the date of the RAP Transfer/Change of Property Ownership Application submission: .....

2. Has the mailing address changed for the Property Owner that is currently listed on the Ground Water RAP for the site? ..... ☐ Yes ☒ No

   If "**Yes**", provide the date of the Ground Water RAP Modification Application submission:

3. Has the Contact Person/Information changed since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? ..... ☐ Yes ☒ No

   If "**Yes**", provide the date of the RAP Contact Information Change Form submission: .....

SECTION F. ATTACHED DOCUMENTS

Attach electronic copies of the following documents in an email to srp_submissions@dep.nj.gov*: *(Check all that apply)*

**See instructions for how to handle submissions associated with a Post-NFA Case.*

- ☒ Ground Water Remedial Action Protectiveness/Biennial Certification Form using the current form on the NJDEP Website (Required).
- ☒ A summary of the ground water sampling results by monitoring well in tabular format to this form, including all historical ground water sampling data associated with the Ground Water RAP (Required). *Attachment 1*
- ☒ The last four ground water contour maps completed for the site, which includes the extent of the CEA/WRA, monitoring well and AOC locations on it, and the direction of ground water flow at the site (Required). *Attachment 2*
- ☒ All well inspection reports/logs that have been completed since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form (Required). *Attachment 3*
- ☒ The results of the required updated well search to this form, including a scaled map and a table indicating which wells were previously evaluated (Required). *Attachment 4*
- ☒ The field sampling sheets since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form (Required). *Attachment 5*
- ☒ A table summarizing the monitoring well construction details (below ground surface (bgs)) for all the monitoring wells associated with the Ground Water RAP (Required). *Attachment 6*
- ☒ A contaminant concentration table that compares the GWQS changes and order of magnitude analysis associated with the Ground Water RAP (Required). *Attachment 7*
- ☒ The Contaminants of Emerging Concern (CECs) evaluation completed associated with the Ground Water RAP (Required). *Attachment 8*
- ☐ A summary of the Technical Impracticability (TI) Determination and a 5-year evaluation, if applicable.
- ☒ A current Tax Map of the property if the block and lot has changed for the CEA/WRA, if applicable. *Attachment 9*
- ☐ The vapor intrusion sampling results, including a scaled site map indicating the location of all structures investigated for vapor intrusion, if applicable.
- ☐ Any vapor intrusion sampling results as required from the Operation, Maintenance, & Monitoring (OMM) Plan for the vapor intrusion engineering control(s)/mitigation system(s) for the permit, including the NJDEP Vapor Intrusion Mitigation Monitoring and Maintenance Checklist. Provide a scaled site map that clearly identifies the building(s) and/or structure(s) with the vapor intrusion engineering control(s)/mitigation system(s) in place (e.g., active or passive), including the address and block and lot of each impacted property.
- ☐ Any vapor intrusion sampling results as required from the Vapor Intrusion (VI) Long-Term Monitoring (LTM) Plan for the permit, if applicable. Provide a scaled site map that clearly identifies the building(s) and/or structure(s) with the VI LTM Plan or the VI Change in Use Evaluation Plan, including the address and block and lot of each impacted property.
- ☐ The summary of the inspection and a scale site map clearly identifying the buildings with Indeterminate Vapor Intrusion Pathway status, including the address and block/lot of each building, if applicable.
- ☐ The completed Remediation Cost Review and RFS/FA Form with a detailed cost estimate, if applicable.

☐ The homeowner or condominium association's annual budget that includes funds for the operation, maintenance, and monitoring of the engineering control(s) associated with the Ground Water RAP, if applicable.

☐ The annual statements confirming the value of the Financial Assurance Instrument, if applicable.

SECTION G. REMEDIAL ACTION AND CEA/WRA INFORMATION

1. Type of Ground Water Remediation

a. ☒ **Monitored Natural Attenuation**

1) Has ground water sampling been conducted at the site since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? ☒ Yes ☐ No

If "**Yes**", attach a summary of the ground water sampling results by monitoring well in tabular format to this form, including all historical ground water sampling data for the site.

2) Has ground water sampling been conducted in accordance with the Ground Water Monitoring Plan for the site? ☒ Yes ☐ No

If "**No**", provide justification for deviating from the Ground Water Monitoring Plan and attach additional documentation if needed:

3) Do the results of the ground water sampling demonstrate that contaminant concentrations have decreased to or below the applicable Ground Water Quality Standards for two ground water sampling events accounting for seasonal fluctuation at the site pursuant to N.J.A.C. 7:26C-7.9(f)? ☐ Yes ☒ No ☐ N/A

If "**Yes**", then submit a Ground Water RAP Termination Application and skip the rest of this section.

4) Is there still a decreasing trend of contaminant concentrations in the ground water? ☒ Yes ☐ No

If "**No**", provide the date of Ground Water RAP Modification submission or the justification supporting the protectiveness of the ground water remedial action in Section L below: _____

5) Is the ***behavior*** of the ground water contaminant plume considered to be shrinking or stable? ☒ Yes ☐ No

If "**Yes**", check off only one of the following: ☐ Shrinking ☒ Stable

If "**No**", provide the date of Ground Water RAP Modification submission or the justification supporting the protectiveness of the ground water remedial action in Section L below: _____

6) Is the ground water plume reaching the sentinel wells or sentinel monitoring points? ☐ Yes ☒ No

If "**Yes**", provide the date of Ground Water RAP Modification submission with the required additional ground water delineation data: _____

7) Is MNA still the appropriate ground water remedial action for the site? ☒ Yes ☐ No

If "**No**", provide an explanation:

b. ☐ **Active Remediation**

Provide the type of remediation: _____

1) Has ground water sampling been conducted at the site since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? ..... ☐ Yes ☐ No

   If "**Yes**", attach a summary of the ground water sampling results by monitoring well in tabular format to this form, including all historical ground water sampling data for the site.

2) Has ground water sampling been conducted in accordance with the Ground Water Monitoring Plan for the site? ..... ☐ Yes ☐ No

   If "**No**", provide justification for deviating from the Ground Water Monitoring Plan and attach additional documentation if needed:

3) Do the results of the ground water sampling demonstrate that contaminant concentrations have decreased to or below the applicable Ground Water Quality Standards for two ground water sampling events accounting for seasonal fluctuation at the site pursuant to N.J.A.C. 7:26C-7.9(f)? ..... ☐ Yes ☐ No ☐ N/A

   If "**Yes**", then submit a Ground Water RAP Termination Application and skip the rest of this section.

4) Is there still a decreasing trend of contaminant concentrations in the ground water? ☐ Yes ☐ No

   If "**No**", provide the date of Ground Water RAP Modification submission or the justification supporting the protectiveness of the ground water remedial action in Section L below: ..... _____

5) Is the ***behavior*** of the ground water contaminant plume considered to be shrinking or stable? ☐ Yes ☐ No

   If "**Yes**", check off only one of the following: ☐ Shrinking ☐ Stable

   If "**No**", provide the date of Ground Water RAP Modification submission or the justification supporting the protectiveness of the ground water remedial action in Section L below: ..... _____

6) Is the ground water plume reaching the sentinel wells or sentinel monitoring points? ..... ☐ Yes ☐ No

   If "**Yes**", provide the date of Ground Water RAP Modification submission with the required additional ground water delineation data: ..... _____

7) Is the ground water remedial action performing as designed? ..... ☐ Yes ☐ No

   If "**No**", provide an explanation:

8) Has the active ground water treatment system been shutdown for longer than 48-hours since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? ..... ☐ Yes ☐ No ☐ N/A

   If "**Yes**", provide an explanation for the shutdown, including the duration of the shutdown and whether or not the shutdown rendered the Remedial Action not protective of public health, safety and of the environment:

2. Has a Technical Impracticability (TI) Determination been approved? ☒ Yes ☐ No

   If "**Yes**", please provide the date of the TI Approval Letter from the Department: 08/20/2020

   Attach a summary of the TI Determination and a 5-year evaluation, if applicable.

3. Since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form, has any ground water contamination been determined to have migrated onto the site/property from an off-site source that is not included in the Ground Water RAP? ☐ Yes ☒ No

   If "**Yes**", provide the communication center number that was received when called into the Hotline and a discussion of the issue below.

   Hotline Communication Center Number: _____

   Discussion:

4. Has the ground water flow direction changed at the site such that the sentinel well(s) is no longer downgradient and protective of all receptors? ☐ Yes ☒ No

   If "**Yes**", provide the date of Ground Water RAP Modification submission with the required additional ground water delineation data: _____

5. Has the CEA/WRA been revised for any reason that did not require conducting additional remediation? ☐ Yes ☒ No

   If "**Yes**", provide the date of Ground Water RAP Modification submission: _____

6. Did the Municipal Block and Lot number(s) of the CEA/WRA change since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? ☒ Yes ☐ No

   If "**Yes**", attach a current Tax Map of the property and list the former and new Municipal Block and Lot numbers of the CEA/WRA below:

   Former Municipal Block and Lot Number(s): *Refer to Attachment 9*

   _____

   New Municipal Block and Lot Number(s):

   _____

7. Did you provide hard copies of this form to the municipal and county clerks for each municipality and county in which the CEA/WRA is located; the local, county and regional health department for each municipality and county in which the CEA/WRA is located; each current owner of the site; each current operator of the site; each current property owner within the footprint of the CEA/WRA; the Pinelands Commission or the Highlands Commission, as applicable? ☒ Yes ☐ No

8. Have any monitoring wells associated with the CEA/WRA been damaged, vandalized, repaired, replaced, decommissioned, or could not be located? ☐ Yes ☒ No

   If "**Yes**", describe what occurred and attach additional documentation as necessary (i.e., maintenance and evaluation logs for all the monitoring wells, a copy of any Well Abandonment Report(s), construction specifications for each new/replacement well, documentation that the Bureau of Water Allocation and Well Permitting was contacted for any monitoring wells that could not be located, etc.):

9. Has a replacement monitoring well(s) been installed since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? ..... ☐ Yes ☒ No

If "**Yes**", was the replacement well installed within 10 feet of the former well location? ..... ☐ Yes ☐ No

If "**No**", then either:

Provide the justification supporting the protectiveness of the ground water remedial action in Section L below

or

Provide the date of the Ground Water RAP Modification Application submission:..... _____

Attach the construction specifications for each new well.

10. Since the Ground Water RAP was issued, did the comparison conducted pursuant to N.J.A.C. 7:26C-7.9(b)2 require the submission of a Ground Water RAP Modification Application? ..... ☐ Yes ☒ No

If "**Yes**", provide the date of Ground Water RAP Modification Application Submission:..... _____

11. Did the comparison conducted above reveal a change in the Ground Water Quality Standards? ..... ☐ Yes ☒ No

If "**Yes**", did the Ground Water Quality Standards change by an order of magnitude? ..... ☐ Yes ☐ No

If "**Yes**", does the change require a modification of the Ground Water RAP?..... ☐ Yes ☐ No

If "**Yes**", provide the date of Ground Water RAP Modification Application Submission:..... _____

Attach a contaminant concentration table that compares the GWQS changes and order of magnitude analysis.

Refer to Attachment 7

Contaminants of Emerging Concern (CECs): The permittee(s) is required to evaluate whether there is the potential that the compounds listed below may have been manufactured, used, handled, stored, disposed or discharged at the AOC(s) associated with the Ground Water RAP. Evaluation does not mean analysis. Evaluation means using your professional judgement to determine if the compounds are potential contaminants of concern at the AOC(s) associated with the Ground Water RAP. The evaluation of these compounds should be the same as any other compound. Additional information on CECs can be found at https://www.nj.gov/dep/srp/emerging-contaminants/.

12. Is 1,4-dioxane a potential contaminant of concern at the AOC(s) associated with the Ground Water RAP and does it require further remedial investigation? ..... ☐ Yes ☒ No

13. Is perchlorate a potential contaminant of concern at the AOC(s) associated with the Ground Water RAP and does it require further remedial investigation? ..... ☐ Yes ☒ No

14. Are per- and polyfluoroalkyl substances (PFAS), including but not limited to perfluorononanoic acid (PFNA), perfluorooctanoic acid (PFOA), and perfluorooctane sulfonic acid (PFOS) potential contaminants of concern at the AOC(s) associated with the Ground Water RAP and does it require further remedial investigation? ..... ☒ Yes ☐ No

15. Is 1,2,3-trichloropropane (1,2,3-TCP) a potential contaminant of concern at the AOC(s) associated with the Ground Water RAP and does it require further remedial investigation?..... ☐ Yes ☒ No

Attach the results of the required emerging CECs evaluation:

If "**Yes**" to any of the questions12 to 15 above, then provide a discussion of how this issue is being addressed:

Refer to Attachment 8

SECTION H. SITE USE, CHANGES, AND DISTURBANCES

1. Indicate current site use:

☐ Industrial	☐ Child Care Facility	☐ Park or Recreational Use	☐ Solar Panels
☐ Residential	☐ Hospital	☐ Vacant	☒ Other: mixed use
☐ Commercial	☐ Landfill	☐ Government Facility	
☐ School	☐ Agricultural	☐ Road/Right of Way	

2. Has the site use(s) changed since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? ..... ☐ Yes ☒ No

3. Have site use changes occurred or disturbances of the land, such as installation of a detention basin, taken place that has rendered the ground water remedial action not protective of public health, safety and of the environment? ☐ Yes ☒ No

If "**Yes**", provide the date of the Ground Water RAP Modification Application submission: ..... _____

SECTION I. CURRENT OR PLANNED WATER USE WITHIN THE WELL SEARCH AREA

1. Water use within the CEA/WRA when CEA/WRA was established *(check all that apply)*

- ☐ Potable
- ☐ Well Head Protection Area
  - ☐ Tier 1 ☐ Tier 2 ☐ Tier 3
- ☐ Irrigation
- ☐ Industrial
- ☐ Geothermal
- ☒ Not Applicable

2. Current water use within the CEA/WRA Boundaries *(check all that apply)*

- ☐ Potable
- ☐ Well Head Protection Area
  - ☐ Tier 1 ☐ Tier 2 ☐ Tier 3
- ☐ Irrigation
- ☐ Industrial
- ☐ Geothermal
- ☒ Not Applicable

3. Are there any planned changes in water use for the aquifers in which the CEA/WRA is located since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? ..... ☐ Yes ☒ No

Check all the sources that were evaluated to determine planned changes in water use:

- ☐ Municipal Master Plans
- ☐ Zoning Plans
- ☐ Local water purveyor plans and planning data pertaining to the existence of water lines and proposed future installation of water lines, wells or well fields
- ☐ Local and County ordinances restricting installation of potable wells
- ☐ Local and County boards of health
- ☒ Local planning officials

4. Have any changes in water use altered the areal extent or the duration of the CEA/WRA? ..... ☐ Yes ☒ No

5. Has the required well search identified any wells installed within one mile up-gradient, side-gradient, and down-gradient of the CEA/WRA since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? ..... ☐ Yes ☒ No

Attach the results of the required updated well search to this form, including a scaled map and a table indicating which wells were previously evaluated.

If "**Yes**", check all that apply:

☐ Potable	☐ Industrial	☐ Community Supply Well	☐ Irrigation
☐ Geothermal	☐ Production	☐ Non-Community Supply Well	

If you checked one of the above, was it necessary to sample the well pursuant to N.J.A.C. 7:26 E-1.14? ..... ☐ Yes ☐ No

6. Did or will the actual or planned changes reported in items 1-5 above render the remedial action that includes the CEA/WRA not protective of public health, safety and of the environment? ☐ Yes ☒ No

   If "**Yes**", provide the date of the Ground Water RAP Modification Application submission: _____

7. Are any Point of Entry Treatment (POET) water systems currently installed at any buildings as a result of this ground water contamination? (If a POET water system was installed, but not required for the remediation, check "No") ☐ Yes ☒ No

   If "**Yes**", attach the ground water sampling results and provide a discussion of this issue below:

   Note: A Ground Water RAP Modification Application should be submitted if the POET water system was installed as a result of ground water contamination and it is not included in the Ground Water RAP for the site.

SECTION J. VAPOR INTRUSION

1. Are compounds of potential vapor intrusion concern included in the CEA/WRA? ☒ Yes ☐ No

   If "**Yes**", then complete this section; otherwise proceed to the next section

2. Based on the most recent data available or ground water data collected for the Ground Water Remedial Action Protectiveness/Biennial Certification Form, are any contaminants of concern currently above the Vapor Intrusion Ground Water Screening Levels that require a vapor intrusion investigation pursuant to N.J.A.C. 7:26E-1.15? ☐ Yes ☒ No

   If "**Yes**", attach a table with the vapor intrusion sampling results, a scaled site map indicating the location of all structures investigated for vapor intrusion, and provide a discussion of those results below or provide a written explanation with the reasons for not evaluating the vapor intrusion pathway.

3. Were there any changes in property use for the site or surrounding properties that required a vapor intrusion investigation pursuant to N.J.A.C. 7:26C-7.9(b)7? ☐ Yes ☒ No

   If "**Yes**", attach a table with the vapor intrusion sampling results, a scaled site map indicating the location of all structures investigated for vapor intrusion, and provide a discussion of those results below or provide a written explanation with the reasons for not evaluating the vapor intrusion pathway:

4. Have any vapor intrusion engineering controls/mitigation systems been installed as a result of this ground water contamination? (If a system was installed, but not required for the remediation (i.e., there is not a complete VI pathway requiring the system), check "**No**") ..... ☐ Yes ☒ No

   If "**Yes**", indicate the type of engineering control that was implemented: *(check all that apply)*

   - ☐ Sub-Slab Depressurization System
   - ☐ Subsurface Ventilation System
   - ☐ Soil Vapor Extraction System
   - ☐ HVAC Positive Pressure
   - ☐ Other (specify): _____

   Attach any vapor intrusion sampling results as required from the OMM Plan for the vapor intrusion engineering control(s)/mitigation system(s) for the permit, including the NJDEP Vapor Intrusion Mitigation Monitoring and Maintenance Checklist. Provide a scaled site map that clearly identifies the building(s) and/or structure(s) with the vapor intrusion engineering control(s)/mitigation system(s) in place, including the address and block and lot of each impacted property.

   Note: A Ground Water RAP Modification Application should be submitted if the vapor intrusion engineering controls/mitigation systems is not included in the Ground Water RAP for the site.

5. Is there sub-slab soil gas (SSSG) contamination above the NJDEP's Soil Gas Screening Levels (SGSLs) beneath any buildings that require a VI Long-Term Monitoring (LTM) Plan or a VI Change in Use Evaluation Plan, or both? ..... ☐ Yes ☒ No

   If "**Yes**", check all that apply and answer the question below:

   - ☐ SSSG > SGSL and ≤ 10X NJDEP SGSL (VI LTM Plan pursuant to Table 6-2 of the VIT Guidance)
   - ☐ SSSG > 10X NJDEP SGSL (VI LTM Plan pursuant to Table 6-2 of the VIT Guidance)
   - ☐ SSSG > NJDEP Residential SGSL for Non-Residential Structure (VI Change in Use Evaluation Plan)

   Have annual inspections been completed to determine if building conditions have changed and/or there has been a change in the use? ..... ☐ Yes ☐ No

   Attach a summary of the building inspections and/or any vapor intrusion sampling results as required from the VI LTM Plan or the VI Change in Use Evaluation Plan for the permit. Provide a scaled site map that clearly identifies the building(s) and/or structure(s) with the VI LTM Plan or the VI Change in Use Evaluation Plan, including the address and block and lot of each impacted property.

   Note: A Ground Water RAP Modification Application should be submitted if the VI LTM Plan or the VI Change in Use Evaluation Plan is not included in the Ground Water RAP for the site.

6. Are there any buildings with an Indeterminate Vapor Intrusion Pathway status? ..... ☐ Yes ☒ No

   If "**Yes**", have annual inspections been completed to determine if there has been a change in the use? ..... ☐ Yes ☐ No

   Attach a summary of the inspections and a scale site map clearly identifying the buildings with Indeterminate Vapor Intrusion Pathway status, including the address and block/lot of each building.

   Note: A Ground Water RAP Modification Application should be submitted if the Indeterminate Vapor Intrusion Pathway status is not included in the Ground Water RAP for the site.

SECTION K. FINANCIAL ASSURANCE

1. Does the remedial action include a ground water or vapor intrusion engineering control? ..... ☐ Yes ☒ No

   If "**No**", proceed to the next section.

2. Is Financial Assurance required for the site? ..... ☐ Yes ☐ No

   If "**Yes**", attach a completed Remediation Cost Review and RFS/FA Form with a detailed cost estimate.

3. If the Financial Assurance Instrument is a Line of Credit, Remediation Trust Fund, Surety Bond, or Environmental Insurance Policy, have annual statements confirming the value of the Financial Assurance Instrument been submitted pursuant to the permit schedule? ..... ☐ Yes ☐ No

   If "**No**", attach the annual statements confirming the value of the Financial Assurance Instrument.

4. If the current owner of the site is either a homeowner association or a condominium association, have copies of the annual budget that includes funds for the operation, maintenance, and monitoring of the engineering control(s) at the site been submitted pursuant to the permit schedule? ..... ☐ Yes ☐ No

   If "**No**", attach copies of the association's annual budget that includes funds for the operation, maintenance, and monitoring of the engineering control(s) at the site.

SECTION L. OTHER INFORMATION PROVIDED

List any other pertinent information to support the Ground Water Remedial Action Protectiveness/Biennial Certification Form. This section should include a discussion of any new information or ground water data as it relates to the protectiveness of the ground water remedial action for the site.

SECTION M. PERSON WITH PRIMARY CONTACT FOR PERMIT COMPLIANCE / PERSON RESPONSIBLE FOR MONITORING THE PROTECTIVENESS OF THE REMEDIAL ACTION INFORMATION AND CERTIFICATION

Affiliation/Name of Organization: Hoffmann-La Roche Inc.

Representative First Name: Gerald Representative Last Name: Bohm

Title: Vice President & Secretary

Phone Number: (973) 890-2268 Ext.: Fax:

Mailing Address: 150 Clove Road, 8th Floor, Suite 8

Municipality: Little Falls State: New Jersey Zip Code: 07424

Email Address: gerald.bohm@roche.com

This certification shall be signed by the person with primary contact for permit compliance/person responsible for monitoring the protectiveness of the remedial action in accordance with the Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

I also understand that engineering and institutional controls must be evaluated and maintained to ensure they remain protective of public health and safety and the environment.

Based upon the information provided herein, I hereby certify that the remedial action(s) implemented at the site that includes engineering and/or institutional controls remains protective of public health and safety and the environment.

Signature: Date: **10/28/2024**

Name/Title: Gerald Bohm / Vice President & Secretary

Completed forms should be emailed to srp_submissions@dep.nj.gov*.

* All Ground Water Remedial Action Protectiveness/Biennial Certification forms associated with a Post-NFA Case must continue to be submitted on a CD by mail with the accompanying fee to the following address:

Bureau of Case Assignment & Initial Notice
Contaminated Site Remediation & Redevelopment
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420

SECTION N. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: 585022

First Name: Rebecca Last Name: Hollender

Phone Numbers: (908) 988-1710 Ext.: _____ Fax: (908) 464-3712

Mailing Address: 41 Spring Street, Suite 102

Municipality: New Providence State: New Jersey Zip Code: 07974

Email Address: rhollender@trccompanies.com

This statement shall be signed by the LSRP who is submitting this notification in accordance with N.J.S.A. 58:10C-14, and N.J.S.A. 58:10B-1.3b(1) and (2).

(1) I certify, as a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C-1 et seq. to conduct business in New Jersey, that for the remediation described in this submission, and all attachments included in this submission, I personally: Managed, supervised, or performed the remediation conducted at this site that is described in this submission, and all attachments included in this submission; and/or periodically reviewed and evaluated the work performed by other persons that forms the basis for the information in this submission; and/or completed the work of another site remediation professional, licensed or not, after having: (1) reviewed all available documentation on which I relied; (2) conducted a site visit and observed the then-current conditions and verified the status of as much of the work as was reasonably observable; and (3)concluded, in the exercise of my independent professional judgment, that there was sufficient information upon which to complete any additional phase of remediation and prepare workplans and reports related thereto.

(2) I certify:

- *That I have read this submission and all attachments to this submission;*
- *That in performing the professional services as the licensed site remediation professional for the entire site or each area of concern, I adhered to the professional conduct standards and requirements governing licensed site remediation professionals provided in N.J.S.A. 58:10C-16;*
- *That the remediation conducted at the entire site or each area of concern, that is described in this submission and all attachments to this submission, was conducted pursuant to and in compliance with the remediation requirements in N.J.S.A. 58:10C-14.c;*
- *That the remediation described in this submission, and all attachments to this submission, was conducted pursuant to and in compliance with the regulations of the Site Remediation Professional Licensing Board at N.J.A.C. 7:26I; and*
- *That the information contained in this submission and all attachments to this submission is true, accurate, and complete.*

(3) I certify, when this submission includes a response action outcome, that the entire site or each area of concern has been remediated in compliance with all applicable statutes, rules, and regulations and is protective of public health and safety and the environment.

(4) I certify that no other person is authorized or able to use any password, encryption method, or electronic signature that the Board or the Department have provided to me.

(5) I certify that I understand and acknowledge that:

- *If I knowingly make a false statement, representation, or certification in any document or information I submit to the Department I may be subject to civil and administrative enforcement pursuant to N.J.S.A. 58:10C-17.a.1(a)through (f) by the Board, including but not limited to license suspension, revocation, or denial of renewal; and*
- *If I purposely, knowingly, or recklessly make a false statement, representation, or certification in any application, form, record, document or other information submitted to the Department or required to be maintained pursuant to the Site Remediation Reform Act, I shall be guilty, upon conviction, of a crime of the third degree and shall, notwithstanding the provisions of subsection b. of N.J.S.2C:43-3, be subject to a fine of not less than $5,000 nor more than $75,000 per day of violation, or by imprisonment, or both.*

(6) I certify that I have read this certification prior to signing, certifying, and making this submission.

LSRP Signature: Rebecca Hollender Date: November 1, 2024

LSRP Name: Rebecca K. Hollender

Company Name: TRC

ATTACHMENT 1

Roche Ground Water Biennial Certification

Groundwater Sampling Results

2019 – 2024

Volatile Organic Compounds (VOCs) in Groundwater

1,4-Dioxane in Groundwater

Attachment 1

Volatile Organic Compounds (VOCs) in Groundwater – 4Q 2019

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	66RI-MW4_PDB7.0		DW-2B_PDB132.75		DW-D2_PDB276.8		DW-2-3B_PDB113.75		DW-D2_PDB286.8		DW-3-4C_PDB138.75	
	Date Sampled:	12/31/2019		11/23/2019		11/23/2019		11/22/2019		11/22/2019		11/27/2019	
	LAB Sample ID:	460199984-1-4		460197573-1-22		460197573-1-20		460197419-1-38		460197419-1-36		460197809-1-94	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	44		59		75		50		88	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	4	J	4.4	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	1.2	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.8		0.22	U	1.4		0.22	U	0.22	U	14	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	7.1		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**9.4**		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	5.3		0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**1.6**		0.8	J	0.44	J	0.31	J	0.57	J	**67**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.7		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	1		**1.5**		0.34	J	0.31	U	0.31	U	**6.4**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	7.1	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			DW-4D_PDB446.75 (A)		DW-4D_PDB446.75 (B)		DW-6B_PDB111.75		DW-7A_PDB123.8		DW-7B_PDB171.75		DW-7C_PDB341.75	
Date Sampled:			11/27/2019		11/27/2019		12/5/2019		11/27/2019		11/27/2019		11/27/2019	
LAB Sample ID:			460197809-1-90		460197809-1-92		460198445-1-58		460197809-1-118		460197809-1-122		460197809-1-124	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	110		110		23		18		32		24	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	1	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	2.1	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	*1.7*	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	2.7	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	2.8	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.5	J	4.2	J	1.9	U	1.9	U	9.3	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	4.1	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	1	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	1.9	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.69	J	0.33	U	1.6	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	2	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	21		**71**		1.5	J	**320**	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*1.9*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	*1.4*	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*2.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	2.2	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	1.7	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	1.7	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	1.6	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	1.3	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	*2.2*	U	0.44	J
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	*1.3*	U	**1.3**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	*1.8*	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	1.5	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	5.7	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	1.7	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	3.9	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	2.3	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	6.5	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	1.3	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	2.1	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	*1.8*	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**37**		0.59	J	***1100***		**52**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	1.9	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	3.5		1.2	U	1.3	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	2.4	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	1.6	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	1.8	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	1.2	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	2.2	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**4.1**		0.31	U	***2.7***	J	**59**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	1.8	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	**2**		**77**		0.86	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	1.5	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	1.8	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	1.5	U	0.3	U
Total VOC TIC	*SRP170*	*500*	7.5	JN	7.1	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			DW-7D_PDB426.75		DW-8A_PDB117.75		DW-8B_PDB188.75		DW-9B_PDB133.75		DW-11B_PDB96.75		DW-11D_PDB446.75	
Date Sampled:			11/27/2019		11/23/2019		11/23/2019		12/13/2019		11/27/2019		11/27/2019	
LAB Sample ID:			460197809-1-120		460197573-1-52		460197573-1-50		460198929-1-10		460197809-1-86		460197809-1-84	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	21		100		110		14		26		27	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	3.5	J	3	J	2.7	J	2.7	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.86	J	**170**		3.2		4.4		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**7.6**		0.25	U	**1.6**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.91	J
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	1.1		0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.88	J	**1.9**		0.54	J	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.2	J	0.17	U	**3.4**		0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	DW-12A_PDB130.75			DW-12B_PDB182.75			DW-12CR_PDB516.8(A)			DW-12CR_PDB516.8(B)			DW-13B_PDB171.75			DW-13-D2_PDB241.8				
		Date Sampled:	12/4/2019			12/4/2019			12/4/2019			12/4/2019			11/27/2019			11/27/2019				
		LAB Sample ID:	460198445-1-34			460198445-1-32			460198445-1-28			460198445-1-30			460197809-1-28			460197809-1-30				
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison				
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	30			35			19			22			14			18					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	3.6	J		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		0.39	J		0.33	U		0.33	U		0.33	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.6			2.9			0.22	U		0.22	U		3.5			0.96	J				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.52	J		0.91	J		0.26	U		0.26	U		6.3			0.54	J				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		1.1					
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		**2.1**			0.26	U		0.26	U		0.74	J		0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U		0.47	U		0.47	U		0.47	U		0.47	U		0.47	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U		**4.1**			0.25	U		0.25	U		0.25	U		0.25	U				
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U		0.49	U		0.49	U		0.49	U		0.49	U		0.49	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
Trichloroethene	*79-01-6*	*1*	0.37	J		**1.3**			0.31	U		0.31	U		0.37	J		0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.92	J		0.67	J				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	DW-14A_PDB176.75		DW-14B_PDB234.05		DW-14C_PDB381.15		DW-16C_PDB434.75		DW-17C_PDB116.75		DW-24_PDB171.75	
			Date Sampled:	12/4/2019		11/21/2019		11/21/2019		12/27/2019		11/22/2019		11/27/2019	
			LAB Sample ID:	460198445-1-6		460197418-1-2		460197418-1-4		460199864-1-4		460197419-1-28		460197809-1-104	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*		18	B	25		21		12		19		24	
Benzene	*71-43-2*	*1*		0.2	U	0.2	U	**1.4**		0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*		0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*		0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*		0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*		1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	3.5	J
Carbon Disulfide	*75-15-0*	*700*		0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*		9		0.63	J	8.5		0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*		0.32	U	0.81	J	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*		0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*		0.22	U	0.22	U	3.2		0.97	J	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*		*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*		0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*		*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*		0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*		5.6		1.2		13		0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*		0.43	U	0.86	J	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*		0.26	U	0.26	U	**5.5**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*		0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*		ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*		0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*		0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*		1.9		2		1.5		0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*		1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*		0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.82	J
trans-1,2-Dichloroethene	*156-60-5*	*100*		0.24	U	0.24	U	0.32	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*		0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*		0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*		0.17	U	0.17	U	**2.7**		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*		0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*		0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*		29	JN	ND	U	12	JN	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	DW-25B_PDB221.8				DW-25C_PDB403.8 (A)				DW-25C_PDB403.8 (B)				DW-25D_PDB556.8 (A)				DW-25D_PDB556.8 (B)				DW-25-D1_PDB92.8			
		Date Sampled:	11/22/2019				11/22/2019				11/22/2019				11/22/2019				11/22/2019				11/22/2019			
		LAB Sample ID:	460197419-1-12				460197419-1-8				460197419-1-10				460197419-1-16				460197419-1-18				460197419-1-14			
		LAB:	Eurofins TA, Edison				Eurofins TA, Edison				Eurofins TA, Edison				Eurofins TA, Edison				Eurofins TA, Edison				Eurofins TA, Edison			
Parameter (ug/l)	***CAS No.***	***GWQS***																								
Acetone	*67-64-1*	*6000*	17				13				15				13				12				12			
Benzene	*71-43-2*	*1*	0.2	U			0.25	J			0.23	J			0.2	U			0.2	U			0.2	U		
Bromochloromethane	*74-97-5*	*100*	0.41	U			0.41	U			0.41	U			0.41	U			0.41	U			0.41	U		
Bromodichloromethane	*75-27-4*	*1*	0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U		
Bromoform	*75-25-2*	*4*	0.54	U			0.54	U			0.54	U			0.54	U			0.54	U			0.54	U		
Bromomethane	*74-83-9*	*10*	0.55	U			0.55	U			0.55	U			0.55	U			0.55	U			0.55	U		
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U			1.9	U			1.9	U			1.9	U			1.9	U			1.9	U		
Carbon Disulfide	*75-15-0*	*700*	0.82	U			0.82	U			0.82	U			0.82	U			0.82	U			0.82	U		
Carbon tetrachloride	*56-23-5*	*1*	0.21	U			0.21	U			0.21	U			0.21	U			0.21	U			0.21	U		
Chlorobenzene	*108-90-7*	*50*	0.38	U			0.38	U			0.38	U			0.38	U			0.38	U			0.38	U		
Chloroethane	*75-00-3*	*100*	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U		
Chloroform	*67-66-3*	*70*	0.33	U			0.33	U			0.33	U			0.33	U			0.33	U			0.33	U		
Chloromethane	*74-87-3*	*100*	0.4	U			0.4	U			0.4	U			0.4	U			0.4	U			0.4	U		
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.31	J			1.4				1.4				0.22	U			0.22	U			0.22	U		
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U			0.22	U			0.22	U			0.22	U			0.22	U			0.22	U		
Cyclohexane	*110-82-7*	*100*	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U		
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U			*0.38*	U			*0.38*	U			*0.38*	U			*0.38*	U			*0.38*	U		
Dibromochloromethane	*124-48-1*	*1*	0.28	U			0.28	U			0.28	U			0.28	U			0.28	U			0.28	U		
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U			*0.5*	U			*0.5*	U			*0.5*	U			*0.5*	U			*0.5*	U		
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U			0.43	U			0.43	U			0.43	U			0.43	U			0.43	U		
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U		
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U			0.33	U			0.33	U			0.33	U			0.33	U			0.33	U		
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U			0.31	U			0.31	U			0.31	U			0.31	U			0.31	U		
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U			0.26	U			0.26	U			0.26	U			0.26	U			0.26	U		
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U			0.43	U			0.43	U			0.43	U			0.43	U			0.43	U		
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U			0.26	U			0.26	U			0.26	U			0.26	U			0.26	U		
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U			0.35	U			0.35	U			0.35	U			0.35	U			0.35	U		
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND				ND				ND				ND				ND				ND			
Ethylbenzene	*100-41-4*	*700*	0.3	U			0.3	U			0.3	U			0.3	U			0.3	U			0.3	U		
2-Hexanone	*591-78-6*	*40*	1.1	U			1.1	U			1.1	U			1.1	U			1.1	U			1.1	U		
Isopropylbenzene	*98-82-8*	*700*	0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U		
Methyl Acetate	*79-20-9*	*7000*	0.79	U			0.79	U			0.79	U			0.79	U			0.79	U			0.79	U		
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U			0.47	U			0.47	U			0.47	U			0.47	U			0.47	U		
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U			1.3	U			1.3	U			1.3	U			1.3	U			1.3	U		
Methylcyclohexane	*108-87-2*	*100*	0.26	U			0.26	U			0.26	U			0.26	U			0.26	U			0.26	U		
Methylene chloride	*75-09-2*	*3*	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U		
Styrene	*100-42-5*	*100*	0.42	U			0.42	U			0.42	U			0.42	U			0.42	U			0.42	U		
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U			0.37	U			0.37	U			0.37	U			0.37	U			0.37	U		
Tetrachloroethene	*127-18-4*	*1*	0.87	J			**8.2**				**8.9**				0.25	U			0.25	U			0.25	U		
Toluene	*108-88-3*	*600*	4.4				0.72	J			0.68	J			0.38	U			0.38	U			0.38	U		
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U			0.3	J			0.25	J			0.24	U			0.24	U			0.24	U		
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U			0.49	U			0.49	U			0.49	U			0.49	U			0.49	U		
Freon 113	*76-13-1*	*20000*	0.31	U			0.31	U			0.31	U			0.31	U			0.31	U			0.31	U		
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U			0.36	U			0.36	U			0.36	U			0.36	U			0.36	U		
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U			0.24	U			0.24	U			0.24	U			0.24	U			0.24	U		
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U			0.43	U			0.43	U			0.43	U			0.43	U			0.43	U		
Trichloroethene	*79-01-6*	*1*	0.31	U			0.8	J			0.94	J			0.31	U			0.31	U			0.31	U		
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U		
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U			0.37	U			0.37	U			0.37	U			0.37	U			0.37	U		
Vinyl Chloride	*75-01-4*	*1*	0.17	U			0.17	U			0.17	U			0.17	U			0.17	U			0.17	U		
m,p-Xylene	*179601-23-1*	*--*	0.3	U			0.3	U			0.3	U			0.3	U			0.3	U			0.3	U		
o-Xylene	*95-47-6*	*--*	0.36	U			0.36	U			0.36	U			0.36	U			0.36	U			0.36	U		
Xylenes (total)	*1330-20-7*	*1000*	0.3	U			0.3	U			0.3	U			0.3	U			0.3	U			0.3	U		
Total VOC TIC	*SRP170*	*500*	ND	U			5	JN			11.1	JN			ND	U			ND	U			ND	U		

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:	DW-27B_PDB291.75		DW-27C_PDB421.8		DW-28A_PDB180.8		DW-28B_PDB307.8		DW-29B_PDB286.75		DW-29C_PDB438.8	
Date Sampled:	11/27/2019		11/27/2019		11/23/2019		11/23/2019		11/23/2019		11/23/2019	
LAB Sample ID:	460197809-1-6		460197809-1-8		460197573-1-36		460197573-1-38		460197573-1-48		460197573-1-46	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	16		13		17		16		99		81	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	4	J	3.7	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	1.1		0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.53	J	0.22	U	0.22	U	4.3		0.22	U	0.5	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1.8		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.46	J	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.37	J	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**8.2**		0.62	J	**25**		**3.6**	
Toluene	*108-88-3*	*600*	0.41	J	0.38	U	0.38	U	0.95	J	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.35	J	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.78	J	**24**		0.53	J	**19**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.18	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.61	J	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.65	J	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	1.26		0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	5.1	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	DW-30B_PDB256.75			DW-31A_PDB176.8			DW-31B_PDB316.8			DW-31C_PDB436.8 (A)			DW-31C_PDB436.8 (B)			DW-32B_PDB297.75					
		Date Sampled:	12/5/2019			11/23/2019			11/23/2019			11/23/2019			11/23/2019			12/4/2019					
		LAB Sample ID:	460198445-1-48			460197573-1-60			460197573-1-58			460197573-1-54			460197573-1-56			460198445-1-20					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	31			100			20			63			64			22					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.5	J		0.23	J		0.26	J		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	18			3.5	J		6.4			2.9	J		3	J		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.6	J				
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	**180**			1.9			0.44	J		0.22	U		0.22	U		1.7					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.82	J		0.26	U		0.26	U		0.26	U		12					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.73	J		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.81	J		0.34	J		0.26	U		0.26	U		0.26	U		**5.3**					
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U		0.47	U		0.47	U		0.47	U		0.47	U		2.6					
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.51	J		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	**3**			0.25	U		0.25	U		0.25	U		0.25	U		0.25	U				
Toluene	*108-88-3*	*600*	2.5			0.38	U		10			0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.93	J		0.69	J		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U		0.49	U		0.49	U		0.49	U		0.49	U		0.49	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
Trichloroethene	*79-01-6*	*1*	**4**			0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.36	J		0.33	J		0.17	U		0.17	U		0.17	U		**1.3**					
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		21	JN		ND	U		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	DW-33B_PDB275.8			DW-33C_PDB416.8			DW-34B_PDB286.75			DW-37B_PDB296.8			DW-38A_PDB177.8			DW-38B_PDB248.8		
			Date Sampled:	12/4/2019			12/4/2019			12/13/2019			11/25/2019			11/22/2019			11/22/2019		
			LAB Sample ID:	460198445-1-4			460198445-1-2			460198929-1-8			460197573-1-72			460197419-1-46			460197419-1-44		
			LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison		
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	16			25			29			95			55			52					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		4.9	J		4.3	J		3.7	J				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		12			0.33	U		0.33	U		0.74	J				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.4			1.4			22			0.57	J		0.22	U		1.1					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	1.7			4.5			**110**			0.26	U		0.26	U		0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		1.3			0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	1			**1.3**			**350**			0.26	U		0.26	U		0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U		0.47	U		0.47	U		0.47	U		0.47	U		0.47	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.47	J		0.25	U		**31**			0.64	J		0.53	J		**4.4**					
Toluene	*108-88-3*	*600*	4.1			1.1			0.38	U		0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U		0.49	U		0.49	U		0.49	U		0.49	U		0.49	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		5.4			0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		23			0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U		0.43	U		1.3			0.43	U		0.43	U		0.43	U				
Trichloroethene	*79-01-6*	*1*	**1.2**			0.5	J		**54**			**1.6**			0.7	J		0.9	J				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
Total VOC TIC	*SRP170*	*500*	5.6	JN		ND	U		ND	U		ND	U		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	DW-38C_PDB531.8 (A)		DW-38C_PDB531.8 (B)		DW-39B_PDB292.8		DW-39C_PDB492.8 (A)		DW-39C_PDB492.8 (B)		DW-40A_PDB138.8					
			Date Sampled:	11/23/2019		11/23/2019		11/21/2019		11/21/2019		11/21/2019		11/27/2019					
			LAB Sample ID:	460197573-1-8		460197573-1-10		460197418-1-10		460197418-1-6		460197418-1-8		460197809-1-56					
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																	
Acetone	*67-64-1*	*6000*	62		66		15		27		28		22						
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U					
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U					
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U					
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U					
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U					
2-Butanone (MEK)	*78-93-3*	*300*	6		6		1.9	U	2.9	J	2.8	J	1.9	U					
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U					
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U					
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U					
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U					
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U					
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U					
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U					
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U					
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U					
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U					
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U					
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U					
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U					
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U					
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U					
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U					
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U					
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U					
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND						
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U					
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U					
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U					
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U					
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U					
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U					
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U					
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U					
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U					
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U					
Tetrachloroethene	*127-18-4*	*1*	0.66	J	0.63	J	0.25	U	0.25	U	0.25	U	0.25	U					
Toluene	*108-88-3*	*600*	0.55	J	0.54	J	0.38	U	0.38	U	0.38	U	0.38	U					
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U					
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U					
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U					
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U					
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U					
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U					
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U					
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U					
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U					
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U					
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U					
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U					
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U					

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:		DW-47A_PDB117.5 (A)		DW-47A_PDB117.5 (B)		DW-50B_PDB186.8		DW-50C_PDB291.8		DW-52A_PDB126.8		DW-57A_PDB236.8	
			Date Sampled:		11/21/2019		11/21/2019		11/25/2019		12/5/2019		12/10/2019		11/25/2019	
			LAB Sample ID:		460197418-1-36		460197418-1-38		460197573-1-74		460198445-1-46		460198929-1-2		460197573-1-82	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	18		19		79		66		13		25	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	2.9	J	1.9	U	4.3	J	4.4	J	1.9	U	2.1	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.75	J	0.43	J	1.2	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	12		13		0.28	J	3		**73**		0.31	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**16**		**19**		**1.2**		**19**		0.56	J	**13**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.68	J	0.65	J	0.24	U	0.24	U	0.38	J	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**4.2**		**4.8**		0.31	U	**4.2**		0.69	J	0.57	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.64	J	0.6	J	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	DW-58A_PDB216.8			DW-64A_PDB236.8			DW-67A_PDB215.5			DW-67B_PDB269.5			DW-68A_PDB202.5			DW-68B_PDB284.5					
		Date Sampled:	11/23/2019			12/5/2019			12/4/2019			12/4/2019			12/5/2019			12/5/2019					
		LAB Sample ID:	460197573-1-18			460198445-1-66			460198445-1-38			460198445-1-36			460198445-1-52			460198445-1-50					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	69			30			23	B		17			27			31					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		**6.3**					
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	3.9	J		1.9	U		2.7	J		2.5	J		1.9	U		2.9	J				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		10			0.38	U		0.38	U		34					
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.71	J		0.71	J		0.33	U		0.33	U		0.33	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	9.3			0.22	U		0.78	J		12			3.8			1.7					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		1.9			2.8			1.6			1.2					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		**9.9**			**2.7**			0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	J		0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U		0.47	U		2.4			1.8			0.75	J		0.75	J				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
Methylene chloride	*75-09-2*	*3*	0.51	J		0.42	J		0.32	U		0.32	J		0.32	U		0.37	J				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	**19**			**4.4**			0.25	U		0.25	U		0.25	U		0.25	U				
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.42	J				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.29	J		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U		0.49	U		0.49	U		0.49	U		0.49	U		0.49	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
Trichloroethene	*79-01-6*	*1*	**3.9**			0.55	J		0.31	U		0.67	J		0.31	U		0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.26	J		0.17	U		0.83	J		**9.5**			**6.6**			**2**					
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		8.2	JN		ND	U		ND	U		52	JN				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:	MW-1G_PDB10.75		MW-15A_PDB13.25		MW-22A_PDB40.75		MW-27_PDB5.65		MW-27B_PDB41.8		MW-32_PDB7.75	
Date Sampled:	11/27/2019		12/5/2019		12/4/2019		11/26/2019		11/26/2019		12/4/2019	
LAB Sample ID:	460197809-1-54		460198445-1-56		460198445-1-26		460197792-1-46		460197792-1-42		460198445-1-14	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	21		29		16	B	63		54		12	B
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	4.4	J	4.1	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	2.5		0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.3		0.33	U	0.33	U	0.92	J	0.5	J	0.99	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.4		0.75	J	1.1		0.58	J	2.7		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	12		0.26	U	0.77	J	0.28	J	7.7		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**14**		0.26	U	0.26	U	0.54	J	**6**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.49	J	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**3.2**		0.25	U	0.25	U	**4.5**		**1.1**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.6		0.24	U	0.24	U	0.24	U	1		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**9.5**		0.66	J	0.81	J	**1.2**		**1.4**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	14.9	JN	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	MW-43_PDB21.85			MW-44_PDB16.0			MW-44B_PDB41.75			MW-44C_PDB76.75			MW-46_PDB58.75			MW-103A_PDB11.6				
			Date Sampled:	11/26/2019			11/27/2019			12/27/2019			11/27/2019			11/23/2019			11/21/2019				
			LAB Sample ID:	460197792-1-56			460197809-1-4			460199864-1-2			460197809-1-2			460197573-1-2			460197418-1-18				
			LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison				
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	52			47			8.3			22			27			94					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		3.1	J		3.8	J				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.46	J		0.33	U		0.7	J		1.5			0.33	U		1.7					
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		4.5					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		15					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		**19**					
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U		0.47	U		0.47	U		0.47	U		0.47	U		0.47	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U		0.25	U		0.25	U		0.25	U		0.25	U		**3.2**					
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U		0.49	U		0.49	U		0.49	U		0.49	U		0.49	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		2.1					
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
Trichloroethene	*79-01-6*	*1*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		**12**					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		5.8	JN				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:	MW-104A_PDB7.9		MW-104B_PDB30.1		MW-104C_PDB76.75		MW-105A_PDB7.9		MW-105B_PDB36.0		MW-106A_PDB9.4	
Date Sampled:	11/21/2019		11/21/2019		11/21/2019		12/5/2019		12/5/2019		11/21/2019	
LAB Sample ID:	460197418-1-22		460197418-1-24		460197418-1-20		460198445-1-78		460198445-1-76		460197418-1-26	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	88		91		80		36		68		120	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.8	J	3.8	J	3.9	J	2.5	J	4.5	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.85	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.2		0.22	U	4.3		0.22	U	0.22	U	5.3	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	2.3		0.26	U	7.8		0.26	U	0.75	J	6.9	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**2.1**		0.26	U	**6.1**		0.26	U	**1.2**		**1.3**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	1		0.25	U	**2**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.57	J	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**2.2**		0.31	U	**8.4**		0.31	U	0.8	J	**1.5**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	**3.7**	
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	5.3	JN	5.5	JN	6.5	JN	ND	U	ND	U	5.6	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-106B_PDB31.2		MW-108A_PDB7.9		MW-114_PDB75.4		MW-114A_PDB71.8		MW-117_PDB71.25 (A)		MW-117_PDB71.25 (B)	
	Date Sampled:	11/21/2019		12/5/2019		11/23/2019		11/23/2019		11/25/2019		11/25/2019	
	LAB Sample ID:	460197418-1-28		460198445-1-74		460197573-1-24		460197573-1-26		460197573-1-100		460197573-1-102	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	85		49		20		25		12		11	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.7	J	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.6	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.48	J	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	6.5	JN	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-126B_PDB41.8		MW-126C_PDB76.8		MW-131_PDB14.45		MW-131B_PDB33.8		MW-131C_PDB76.8		MW-143_PDB18.65	
	Date Sampled:	11/27/2019		11/27/2019		11/22/2019		11/22/2019		11/22/2019		11/22/2019	
	LAB Sample ID:	460197809-1-52		460197809-1-48		460197419-1-32		460197419-1-30		460197419-1-34		460197419-1-2	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	50		48		22		29		9.3		15	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	2.1		0.78	J	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.78	J	0.48	J	0.33	U	1.9		2.4		0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	4.4		5.8		0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	14		17		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**14**		**16**		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.6		1.7		0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2.3**		**2.8**		0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.2		1.5		0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**6.4**		**8.1**		0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.45	J	0.34	J	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	6.4	JN	6.6	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-143B_PDB46.8		MW-143C_PDB76.8		MW-144A_PDB13.5		MW-144B_PDB34.75		MW-146A_PDB23.3 (A)		MW-146A_PDB23.3 (B)	
	Date Sampled:	11/22/2019		11/22/2019		12/5/2019		12/5/2019		11/27/2019		11/27/2019	
	LAB Sample ID:	460197419-1-6		460197419-1-4		460198445-1-82		460198445-1-80		460197809-1-100		460197809-1-102	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	22		25		21		40		26		25	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	2.6	J	1.9	U	2.3	J	2.8	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.5		1.5		0.71	J	0.37	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.52	J	0.38	J	0.77	J	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.93	J	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**1.1**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**20**		**7.9**		**2.1**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.73	J	0.86	J	**1.7**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	MW-146B_PDB53.75		MW-146C_PDB66.75		MW-148A_PDB24.35		MW-148B_PDB44.85		MW-170AR_PDB15.25		MW-171A_PDB26.75	
		Date Sampled:	11/27/2019		11/27/2019		11/22/2019		11/22/2019		12/30/2019		11/21/2019	
		LAB Sample ID:	460197809-1-96		460197809-1-98		460197419-1-24		460197419-1-26		460199984-1-2		460197418-1-42	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	98		110		26		12		19		24	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.9	J	5.2		1.9	U	1.9	U	1.9	U	4.4	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.55	J	0.33	U	1.2		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	4.2		0.22	U	0.22	U	2.1		24	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.66	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**60**		0.25	U	0.25	U	0.25	U	**330**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**2.4**		0.31	U	0.31	U	0.31	U	**11**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	**1.6**		0.2	J
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	7.1	JN	6.9	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	MW-171B_PDB46.75		MW-171C_PDB66.75		MW-172_PDB37.0		MW-201_PDB28.75		MW-201A_PDB21.75		MW-201B_PDB41.8	
			Date Sampled:	11/21/2019		11/21/2019		12/10/2019		11/27/2019		11/27/2019		11/27/2019	
			LAB Sample ID:	460197418-1-44		460197418-1-40		460198929-1-4		460197809-1-110		460197809-1-112		460197809-1-114	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*	17		26		25		20		25		20	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.41	U	0.2	U	0.41	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.82	U	0.41	U	0.82	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.69	U	0.34	U	0.69	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	1.1	U	0.54	U	1.1	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	1.1	U	0.55	U	1.1	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	3.7	U	1.9	U	3.7	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	1.6	U	0.82	U	1.6	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.42	U	0.21	U	0.42	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	11		3.9		3.8	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.64	U
Chloroform	*67-66-3*	*70*	0.4	J	1.1		0.33	U	0.78	J	2.8		0.65	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.8	U	0.4	U	0.8	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	21		22		0.22	U	**300**		**220**		**95**	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.44	U	0.22	U	0.44	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.64	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.75*	U	*0.38*	U	*0.75*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.56	U	0.28	U	0.56	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*1*	U	*0.5*	U	*1*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	13		3.4		4.6	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.68	U	0.34	U	0.68	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	2.5		0.68	J	0.93	J
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.62	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.53	U	0.26	U	0.53	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	**2.4**		0.6	J	1.9	J
1,1-Dichloroethene	*75-35-4*	*1*	0.57	J	0.69	J	0.26	U	**4.5**		**4.3**		0.97	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.71	U	0.35	U	0.71	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.6	U	0.39	J	0.6	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	2.3	U	1.1	U	2.3	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.67	U	0.34	U	0.67	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	1.6	U	0.79	U	1.6	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.93	U	0.47	U	0.93	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	2.6	U	1.3	U	2.6	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.52	U	0.26	U	0.52	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.63	U	0.44	J	1.5	J
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.83	U	0.42	U	0.83	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.73	U
Tetrachloroethene	*127-18-4*	*1*	**310**		**310**		0.25	U	**520**		1		**390**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.76	U	0.47	J	0.76	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	1.3	J	0.78	J	0.51	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.97	U	0.49	U	0.97	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.62	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.71	U	0.36	U	0.71	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.48	U	0.24	U	0.48	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.87	U	0.43	U	0.87	U
Trichloroethene	*79-01-6*	*1*	**9.8**		**12**		0.31	U	**280**		0.61	J	**79**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.64	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.73	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.62	J	**50**		0.34	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.59	U	0.3	U	0.59	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.72	U	0.36	U	0.72	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.59	U	0.3	U	0.59	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	82	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			MW-201C_PDB92.8		MW-204C_PDB61.75		MW-206B_PDB46.75		MW-206C_PDB76.75		MW-207A_PDB6.75		MW-207B_PDB44.75	
Date Sampled:			11/27/2019		12/5/2019		12/4/2019		12/4/2019		11/27/2019		11/27/2019	
LAB Sample ID:			460197809-1-116		460198445-1-60		460198445-1-8		460198445-1-10		460197809-1-22		460197809-1-18	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	14		14		11	B	12	B	47		42	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	4.9	J	4.6	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.43	J	0.49	J	1.3		0.93	J	0.33	U	0.96	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.1		4.8		0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.38	J	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**10**		**82**		0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**2**		**2.3**		0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:	MW-207C_PDB61.75		MW-208C_PDB76.75		MW-209A_PDB14.75		MW-209B_PDB36.75		MW-209C_PDB76.75		MW-213B_PDB46.75	
Date Sampled:	11/27/2019		11/27/2019		11/27/2019		11/27/2019		11/27/2019		11/27/2019	
LAB Sample ID:	460197809-1-20		460197809-1-36		460197809-1-62		460197809-1-64		460197809-1-66		460197809-1-78	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	53		57		12		22		15		12	
Benzene	*71-43-2*	*1*	0.23	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	4	J	1.9	U	2.2	J	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.66	J	0.21	U	0.21	U	0.63	J	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.65	J	2.6		0.33	U	1.5		6.2		0.35	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	10		0.22	U	0.22	U	5.1		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.7	J	29		0.26	U	1.1		15		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.74	J	**55**		0.26	U	**1.9**		**24**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.84	J	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**13**		0.25	U	0.36	J	**3.3**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.37	J	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	5.9		0.24	U	0.24	U	2.7		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.99	J	**47**		0.31	U	0.7	J	**22**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			MW-213C_PDB76.75		MW-214A_PDB23.25		MW-214B_PDB41.75		MW-214C_PDB66.75		MW-215C_PDB76.75		MW-216C_PDB71.75	
Date Sampled:			11/27/2019		11/27/2019		11/27/2019		11/27/2019		11/27/2019		11/27/2019	
LAB Sample ID:			460197809-1-80		460197809-1-74		460197809-1-76		460197809-1-72		460197809-1-82		460197809-1-88	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	16		13		18		21		27		120	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.22	J	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	2.7	J	4.6	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.82	J	2		0.87	J	1.2		1.1		1.3	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.27	J	5.1		5.7		0.22	U	8.3	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	1.5		26		30		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**1.9**		**31**		**39**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**1.1**		**4.4**		0.25	U	**71**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	3.8		5.8		0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**3.5**		**4.9**		0.31	U	**4.2**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	6.3	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:		MW-222_PDB71.75		MW-222C_PDB253.75		MW-236B_PDB34.75		MW-236C_PDB54.75		MW-237A_PDB27.5		MW-237B_PDB73.8	
			Date Sampled:		12/4/2019		12/4/2019		11/27/2019		11/27/2019		11/23/2019		11/23/2019	
			LAB Sample ID:		460198445-1-22		460198445-1-24		460197809-1-70		460197809-1-68		460197573-1-66		460197573-1-64	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	16	B	32	B	13		14		20		27	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	**9.6**		0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	2		0.33	U	1.6		1.2		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	21		0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.61	J	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**1.4**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	43		0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	12		0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	7.1		0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2.9**		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	4.6		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.67	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	31		0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	2.4		0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	33.4		0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	**636**	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			MW-237C_PDB111.75		MW-238C_PDB76.75		MW-249A_PDB16.8		MW-257A_PDB27.0		MW-257B_PDB46.75		MW-258B_PDB80.75	
Date Sampled:			11/23/2019		11/25/2019		12/5/2019		12/5/2019		12/5/2019		11/27/2019	
LAB Sample ID:			460197573-1-62		460197573-1-98		460198445-1-64		460198445-1-86		460198445-1-84		460197809-1-108	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	13		27		27		32		31		38	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	3.1	J	1.9	U	2.6	J	1.9	U	3.6	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.42	J	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	7.4		1		0.22	U	37		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.29	J	0.29	J	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.31	J	0.26	U	0.26	U	0.57	J	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**1.1**		0.25	U	0.25	U	**240**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**1.2**		0.88	J	0.31	U	**11**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.69	J	0.17	U	0.17	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:		MW-258C_PDB106.75		MW-260C_PDB62.0		MW-260-S3_PDB121.8		266B_PDB61.95		266C_PDB86.85		MW-269A_PDB55.0
	Date Sampled:		11/27/2019		12/10/2019		11/25/2019		12/4/2019		12/4/2019		11/22/2019
	LAB Sample ID:		460197809-1-106		460198929-1-6		460197573-1-68		460198445-1-18		460198445-1-16		460197419-1-40
	LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	34		24		27		16		36		16	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.5	J	2.3	J	1.9	U	1.9	U	2.1	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.66	J	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.64	J	3		0.38	J	0.34	J	1.8	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	7.4		16		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	47		**110**		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.79	J	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**33**		**43**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	3.8		5.3		0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.42	J	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.86	J	0.25	U	**11**		0.25	J	0.57	J	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	4.5		7.1		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**1.2**		**1.6**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	**4.2**		**35**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:	MW-269C_PDB121.8		MW-270A_PDB59.5		MW-271A_PDB56.8		MW-271B_PDB91.8		MW-271C_PDB126.8		MW-275A_PDB7.0	
Date Sampled:	11/22/2019		11/25/2019		11/23/2019		11/23/2019		11/23/2019		11/27/2019	
LAB Sample ID:	460197419-1-42		460197573-1-70		460197573-1-32		460197573-1-34		460197573-1-30		460197809-1-46	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	21		33		19		20		44	U	55	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	*2*	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	4.1	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	*3.4*	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	*5.4*	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	5.5	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	3.4	J	1.9	U	1.9	U	19	U	3.8	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	8.2	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	*2.1*	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	3.8	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	3.2	U	0.32	U
Chloroform	*67-66-3*	*70*	1		0.33	U	0.33	U	0.91	J	3.3	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	2.2	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	2.2	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	3.2	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*3.8*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	*2.8*	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	4.3	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	3.4	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	3.3	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	3.1	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	2.6	U	1.6	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	*4.3*	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	*2.6*	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	*3.5*	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	11	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	3.4	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	7.9	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	4.7	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	13	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	2.6	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	*3.2*	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	4.2	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	*3.7*	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.52	J	0.25	U	0.25	U	**1.5**		***1900***		0.5	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	3.8	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	2.4	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	4.9	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	3.1	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	3.6	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	2.4	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	*4.3*	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	*3.1*	U	0.58	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	3.2	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	3.7	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	*1.7*	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	3.6	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			MW-275B_PDB36.8		MW-275C_PDB71.8		MW-276A_PDB26.8		MW-276B_PDB51.8		MW-276C_PDB86.8287		AR_PDB10.7	
Date Sampled:			11/27/2019		11/27/2019		11/21/2019		11/21/2019		11/21/2019		12/4/2019	
LAB Sample ID:			460197809-1-44		460197809-1-42		460197418-1-16		460197418-1-14		460197418-1-12		460198445-1-12	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	46		20		15		13		14		21	B
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.2		1.4		0.7	J	1.5		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	5.3		5.2		0.22	U	0.22	U	0.22	U	0.26	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	18		21		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**23**		**20**		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**6**		0.47	J	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	2.9		1.4		0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**16**		**4.7**		0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:	MW-288B_PDB41.8		MW-302C_PDB95.5		MW-304A_PDB17.5		MW-304B_PDB37.5		MW-304C_PDB72.5		MW-347B_PDB46.8	
Date Sampled:	12/5/2019		11/25/2019		11/21/2019		11/21/2019		11/21/2019		11/27/2019	
LAB Sample ID:	460198445-1-62		460197573-1-92		460197418-1-32		460197418-1-34		460197418-1-30		460197809-1-32	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	20		27		7.3		20		21		15	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	2.5	J	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.38	J	0.98	J	0.77	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.4		1.4		3.5		39		26		1.7	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	6.4	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.81	J	0.95	J	**6.9**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**1.8**		**1.1**		**7**		**330**		**260**		**3.5**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.38	J	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	1.5	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**1.2**		**1.8**		0.73	J	**16**		**13**		**3.8**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			MW-347C_PDB71.8		MW-348B_PDB51.8		MW-348C_PDB91.8		MW-349B_PDB41.8		MW-349C_PDB91.8		MW-353A_PDB49.25	
Date Sampled:			11/27/2019		11/27/2019		11/27/2019		11/27/2019		11/27/2019		12/5/2019	
LAB Sample ID:			460197809-1-34		460197809-1-24		460197809-1-26		460197809-1-38		460197809-1-40		460198445-1-72	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	57		16		19		20		13		25	
Benzene	*71-43-2*	*1*	0.41	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.9	J	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	6.2		0.38	U	2.5		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.84	J	0.75	J	0.77	J	3.9		0.41	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	2.8		1.7		8.4		2.2		5.1		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	12		6.6		27		9.2		21		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**5.5**		**7.6**		**31**		**9**		**18**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.5		0.47	U	2.9		0.47	U	1.2		0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**1.2**		**4.1**		**3.7**		0.89	J	0.25	U
Toluene	*108-88-3*	*600*	0.45	J	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.91	J	1.3		2.5		1.8		1.6		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**2.1**		**3.8**		**13**		**4.8**		**7.1**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.29	J	0.17	U	0.69	J	0.17	U	0.23	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	MW-353B_PDB76.3		MW-353C_PDB124.25		MW-373C_PDB114.75		MW-374C_PDB98.8		MW-375A_PDB50.75		MW-375B_PDB69.8									
			Date Sampled:	12/5/2019		12/5/2019		11/23/2019		11/25/2019		11/23/2019		11/23/2019									
			LAB Sample ID:	460198445-1-70		460198445-1-68		460197573-1-16		460197573-1-76		460197573-1-44		460197573-1-42									
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison									
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	20		20		130		110		25		30										
Benzene	*71-43-2*	*1*	0.2	U	0.41	U	0.2	U	0.2	U	0.2	U	0.2	U									
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.82	U	0.41	U	0.41	U	0.41	U	0.41	U									
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.69	U	0.34	U	0.34	U	0.34	U	0.34	U									
Bromoform	*75-25-2*	*4*	0.54	U	1.1	U	0.54	U	0.54	U	0.54	U	0.54	U									
Bromomethane	*74-83-9*	*10*	0.55	U	1.1	U	0.55	U	0.55	U	0.55	U	0.55	U									
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	3.7	U	3.5	J	3.2	J	1.9	U	1.9	U									
Carbon Disulfide	*75-15-0*	*700*	0.82	U	1.6	U	0.82	U	0.82	U	0.82	U	0.82	U									
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.42	U	0.21	U	0.21	U	0.21	U	0.21	U									
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.75	U	0.38	U	0.38	U	0.38	U	0.38	U									
Chloroethane	*75-00-3*	*100*	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U									
Chloroform	*67-66-3*	*70*	0.52	J	1.8	J	0.33	U	1.2		0.76	J	0.44	J									
Chloromethane	*74-87-3*	*100*	0.4	U	0.8	U	0.4	U	0.4	U	0.4	U	0.4	U									
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.44	U	3.6		0.4	J	0.22	U	0.22	U									
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.44	U	0.22	U	0.22	U	0.22	U	0.22	U									
Cyclohexane	*110-82-7*	*100*	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U									
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.75*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U									
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.56	U	0.28	U	0.28	U	0.28	U	0.28	U									
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*1*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U									
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.86	U	0.43	U	0.43	U	0.43	U	0.43	U									
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.68	U	0.34	U	0.34	U	0.34	U	0.34	U									
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.67	U	0.33	U	0.33	U	0.33	U	0.33	U									
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U									
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.53	U	0.26	U	0.26	U	0.26	U	0.26	U									
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.86	U	0.43	U	0.43	U	0.43	U	0.43	U									
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.53	U	0.26	U	0.26	U	0.26	U	0.26	U									
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.71	U	0.35	U	0.35	U	0.35	U	0.35	U									
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND										
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.6	U	0.3	U	0.3	U	0.3	U	0.3	U									
2-Hexanone	*591-78-6*	*40*	1.1	U	2.3	U	1.1	U	1.1	U	1.1	U	1.1	U									
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.67	U	0.34	U	0.34	U	0.34	U	0.34	U									
Methyl Acetate	*79-20-9*	*7000*	0.79	U	1.6	U	0.79	U	0.79	U	0.79	U	0.79	U									
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.93	U	0.47	U	0.47	U	0.47	U	0.47	U									
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	2.6	U	1.3	U	1.3	U	1.3	U	1.3	U									
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.52	U	0.26	U	0.26	U	0.26	U	0.26	U									
Methylene chloride	*75-09-2*	*3*	0.32	U	0.63	U	0.32	U	0.32	U	0.32	U	0.32	U									
Styrene	*100-42-5*	*100*	0.42	U	0.83	U	0.42	U	0.42	U	0.42	U	0.42	U									
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.73	U	0.37	U	0.37	U	0.37	U	0.37	U									
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**620**		0.63	J	**22**		0.25	U	0.39	J									
Toluene	*108-88-3*	*600*	0.38	U	0.76	U	0.38	U	0.38	U	0.38	U	0.38	U									
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.47	U	0.24	U	0.24	U	0.24	U	0.24	U									
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.97	U	0.49	U	0.49	U	0.49	U	0.49	U									
Freon 113	*76-13-1*	*20000*	0.31	U	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U									
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.71	U	0.36	U	0.36	U	0.36	U	0.36	U									
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.48	U	0.24	U	0.24	U	0.24	U	0.24	U									
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.87	U	0.43	U	0.43	U	0.43	U	0.43	U									
Trichloroethene	*79-01-6*	*1*	0.31	U	**1.8**	J	0.65	J	1		0.31	U	0.31	U									
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U									
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.73	U	0.37	U	0.37	U	0.37	U	0.37	U									
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.34	U	**3.3**		0.17	U	0.17	U	0.17	U									
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.59	U	0.3	U	0.3	U	0.3	U	0.3	U									
o-Xylene	*95-47-6*	*--*	0.36	U	0.72	U	0.36	U	0.36	U	0.36	U	0.36	U									
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.59	U	0.3	U	0.3	U	0.3	U	0.3	U									
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	7.4	JN	ND	U	ND	U	ND	U									

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			MW-375C_PDB126.8		MW-376C_PDB119.8		MW-377B_PDB86.8		MW-377C_PDB109.8		MW-378C_PDB98.8		MW-416A_PDB34.8	
Date Sampled:			11/23/2019		11/23/2019		11/25/2019		11/25/2019		11/25/2019		12/4/2019	
LAB Sample ID:			460197573-1-40		460197573-1-28		460197573-1-80		460197573-1-78		460197573-1-84		460198445-1-44	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	27		34		110		62		33		28	
Benzene	*71-43-2*	*1*	1	U	1	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	2.1	U	2.1	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	*1.7*	U	*1.7*	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	2.7	U	2.7	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	2.8	U	2.8	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	9.3	U	9.3	U	4.1	J	3.3	J	3.3	J	2.5	J
Carbon Disulfide	*75-15-0*	*700*	4.1	U	4.1	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	1	U	1	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	1.9	U	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	1.6	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	2.4	J	2	J	0.35	J	1.2		2		0.33	U
Chloromethane	*74-87-3*	*100*	2	U	2	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.4	J	1.1	U	0.22	U	0.33	J	1		0.77	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	1.1	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	1.6	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*1.9*	U	*1.9*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	*1.4*	U	*1.4*	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*2.5*	U	*2.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	2.2	U	2.2	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	1.7	U	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	1.7	U	1.7	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	1.6	U	1.6	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1.3	U	1.3	U	0.26	U	0.26	U	0.26	U	3.2	
1,2-Dichloroethane	*107-06-2*	*2*	*2.2*	U	*2.2*	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	*1.3*	U	*1.3*	U	0.26	U	0.26	U	0.26	U	1	
1,2-Dichloropropane	*78-87-5*	*1*	*1.8*	U	*1.8*	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	1.5	U	1.5	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	5.7	U	5.7	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	1.7	U	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	3.9	U	3.9	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	2.3	U	2.3	U	0.47	U	0.47	U	0.47	U	0.61	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	6.5	U	6.5	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	1.3	U	1.3	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	1.6	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	2.1	U	2.1	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	*1.8*	U	*1.8*	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	***1500***		***1200***		**4.2**		**49**		**150**		0.25	U
Toluene	*108-88-3*	*600*	1.9	U	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	1.2	U	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	2.4	U	2.4	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	1.6	U	1.6	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	1.8	U	1.8	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.2	U	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	2.2	U	2.2	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	***3.3***	J	***3.2***	J	0.31	U	0.91	J	**2.3**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	1.6	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	1.8	U	1.8	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.86	U	0.86	U	0.17	U	0.17	U	0.17	U	**1.3**	
m,p-Xylene	*179601-23-1*	*--*	1.5	U	1.5	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	1.8	U	1.8	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	1.5	U	1.5	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:		MW-416B_PDB49.25		MW-416C_PDB105.0		MW-417C_PDB119.25		MW-446A_PDB17.5		MW-452C_PDB57.5 (A)		MW-452C_PDB57.5 (B)	
			Date Sampled:		12/4/2019		12/4/2019		11/23/2019		11/26/2019		11/25/2019		11/25/2019	
			LAB Sample ID:		460198445-1-42		460198445-1-40		460197573-1-14		460197792-1-44		460197573-1-94		460197573-1-96	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	32		38		83		15		16		15			
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U		
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U		
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U		
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U		
2-Butanone (MEK)	*78-93-3*	*300*	2.9	J	3.8	J	3.4	J	1.9	U	2	J	1.9	U		
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U		
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U		
Chlorobenzene	*108-90-7*	*50*	0.38	U	47		0.38	U	0.38	U	0.38	U	0.38	U		
Chloroethane	*75-00-3*	*100*	0.32	U	0.8	J	0.32	U	0.32	U	0.32	U	0.32	U		
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.7		1		1.9		1.9			
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U		
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.24	J	0.22	U	0.53	J	0.52	J	1.3		1.3			
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U		
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U		
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U		
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U		
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U		
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U		
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U		
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U		
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U		
1,1-Dichloroethane	*75-34-3*	*50*	2		0.57	J	0.26	U	0.26	U	0.26	U	0.26	U		
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U		
1,1-Dichloroethene	*75-35-4*	*1*	0.37	J	0.26	U	0.26	U	0.34	J	0.26	U	0.26	U		
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U		
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND			
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U		
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U		
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U		
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U		
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	2.6		2.3		0.47	U	0.47	U	0.47	U	0.47	U		
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U		
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U		
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U		
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U		
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U		
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**62**		**4.1**		**100**		**110**			
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U		
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U		
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U		
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U		
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U		
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U		
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U		
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.8	J	**1.3**		**1.1**		**1.2**			
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.44	J	0.42	J		
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U		
Vinyl Chloride	*75-01-4*	*1*	0.5	J	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U		
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U		
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U		
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U		
Total VOC TIC	*SRP170*	*500*	ND	U	29	JN	ND	U	ND	U	ND	U	ND	U		

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			MW-476A_PDB17.5		MW-477A_PDB12.5		MW-479A_PDB12.5		MW-479B_PDB31.8		MW-479C_PDB101.8		MW-479S_PDB6.5	
Date Sampled:			11/26/2019		11/26/2019		11/26/2019		11/26/2019		11/26/2019		11/26/2019	
LAB Sample ID:			460197792-1-48		460197792-1-50		460197792-1-36		460197792-1-34		460197792-1-30		460197792-1-32	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	26		18		13		23		19		14	
Benzene	*71-43-2*	*1*	0.2	U	0.35	J	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	**8.7**		0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	1.1		0.33	U	5.9		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.33	J	2.3		6		0.22	U	3.6		1.2	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	6.8		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.78	J	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	3.6		0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.38	J	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.5	J	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.37	J	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.67	J	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.45	J	0.7	J	0.24	U	0.24	U	0.81	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.86	J	0.54	J	**9.3**		**9.7**		**7**		**1.1**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	**1.5**		1		0.17	U	0.61	J	0.2	J
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-480A_PDB12.5		MW-481B_PDB57.5		MW-481C_PDB82.5		MW-482B_PDB42.5		MW-482C_PDB87.5		MW-483B_PDB57.5	
	Date Sampled:	11/27/2019		11/26/2019		11/26/2019		11/26/2019		11/26/2019		11/27/2019	
	LAB Sample ID:	460197809-1-10		460197792-1-54		460197792-1-52		460197792-1-60		460197792-1-58		460197809-1-14	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	17		12		12		20		14		19	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.53	J	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.37	J	0.81	J	0.78	J	0.97	J	0.55	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	1.5		0.27	J	6.3		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	7		0.26	U	29		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**6.1**		0.26	U	**27**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	1.2		0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.56	J	0.93	J	**2.9**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.74	J	0.24	U	4.9		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.74	J	**2.4**		**1.6**		**3.3**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.46	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	MW-483C_PDB72.5				MW-485A_PDB12.5				MW-486A_PDB12.5				MW-487A_PDB17.5				MW-487B_PDB32.5				MW-487S_PDB8.75			
			Date Sampled:	11/27/2019				11/26/2019				11/26/2019				11/26/2019				11/26/2019				11/26/2019			
			LAB Sample ID:	460197809-1-16				460197792-1-24				460197792-1-26				460197792-1-14				460197792-1-10				460197792-1-12			
			LAB:	Eurofins TA, Edison				Eurofins TA, Edison				Eurofins TA, Edison				Eurofins TA, Edison				Eurofins TA, Edison				Eurofins TA, Edison			
Parameter (ug/l)	***CAS No.***	***GWQS***																									
Acetone	*67-64-1*	*6000*	17				13				18				12				16				15			
Benzene	*71-43-2*	*1*	0.2	U			0.2	U			0.2	U			0.2	U			0.2	U			0.2	U		
Bromochloromethane	*74-97-5*	*100*	0.41	U			0.41	U			0.41	U			0.41	U			0.41	U			0.41	U		
Bromodichloromethane	*75-27-4*	*1*	0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U		
Bromoform	*75-25-2*	*4*	0.54	U			0.54	U			0.54	U			0.54	U			0.54	U			0.54	U		
Bromomethane	*74-83-9*	*10*	0.55	U			0.55	U			0.55	U			0.55	U			0.55	U			0.55	U		
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U			1.9	U			1.9	U			1.9	U			1.9	U			1.9	U		
Carbon Disulfide	*75-15-0*	*700*	0.82	U			0.82	U			0.82	U			0.82	U			0.82	U			0.82	U		
Carbon tetrachloride	*56-23-5*	*1*	0.21	U			0.21	U			**2.8**				**6**				0.21	U			1			
Chlorobenzene	*108-90-7*	*50*	0.38	U			0.38	U			0.38	U			0.38	U			0.38	U			0.38	U		
Chloroethane	*75-00-3*	*100*	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U		
Chloroform	*67-66-3*	*70*	0.75	J			0.33	U			2				2.8				0.69	J			0.39	J		
Chloromethane	*74-87-3*	*100*	0.4	U			0.4	U			0.4	U			0.4	U			0.4	U			0.4	U		
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.1				0.52	J			0.29	J			0.37	J			0.44	J			0.22	U		
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U			0.22	U			0.22	U			0.22	U			0.22	U			0.22	U		
Cyclohexane	*110-82-7*	*100*	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U		
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U			*0.38*	U			*0.38*	U			*0.38*	U			*0.38*	U			*0.38*	U		
Dibromochloromethane	*124-48-1*	*1*	0.28	U			0.28	U			0.28	U			0.28	U			0.28	U			0.28	U		
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U			*0.5*	U			*0.5*	U			*0.5*	U			*0.5*	U			*0.5*	U		
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U			0.43	U			0.43	U			0.43	U			0.43	U			0.43	U		
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U		
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U			0.33	U			0.33	U			0.33	U			0.33	U			0.33	U		
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U			0.31	U			0.31	U			0.31	U			0.31	U			0.31	U		
1,1-Dichloroethane	*75-34-3*	*50*	11				0.26	U			0.26	U			0.26	U			1.1				0.26	U		
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U			0.43	U			0.43	U			0.43	U			0.43	U			0.43	U		
1,1-Dichloroethene	*75-35-4*	*1*	**11**				0.26	U			0.26	U			0.26	U			**1.1**				0.26	U		
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U			0.35	U			0.35	U			0.35	U			0.35	U			0.35	U		
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND				ND				ND				ND				ND				ND			
Ethylbenzene	*100-41-4*	*700*	0.3	U			0.3	U			0.3	U			0.3	U			0.3	U			0.3	U		
2-Hexanone	*591-78-6*	*40*	1.1	U			1.1	U			1.1	U			1.1	U			1.1	U			1.1	U		
Isopropylbenzene	*98-82-8*	*700*	0.34	U			0.34	U			0.34	U			0.34	U			0.34	U			0.34	U		
Methyl Acetate	*79-20-9*	*7000*	0.79	U			0.79	U			0.79	U			0.79	U			0.79	U			0.79	U		
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U			0.47	U			0.47	U			0.47	U			0.47	U			0.47	U		
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U			1.3	U			1.3	U			1.3	U			1.3	U			1.3	U		
Methylcyclohexane	*108-87-2*	*100*	0.26	U			0.26	U			0.26	U			0.26	U			0.26	U			0.26	U		
Methylene chloride	*75-09-2*	*3*	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U		
Styrene	*100-42-5*	*100*	0.42	U			0.42	U			0.42	U			0.42	U			0.42	U			0.42	U		
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U			0.37	U			0.37	U			0.37	U			0.37	U			0.37	U		
Tetrachloroethene	*127-18-4*	*1*	**1.3**				0.25	U			**2.9**				**3.2**				0.8	J			0.54	J		
Toluene	*108-88-3*	*600*	0.38	U			0.38	U			0.38	U			0.38	U			0.38	U			0.38	U		
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U			0.24	U			0.24	U			0.24	U			0.24	U			0.24	U		
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U			0.49	U			0.49	U			0.49	U			0.49	U			0.49	U		
Freon 113	*76-13-1*	*20000*	0.31	U			0.31	U			0.31	U			0.31	U			0.31	U			0.31	U		
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U			0.36	U			0.36	U			0.36	U			0.36	U			0.36	U		
1,1,1-Trichloroethane	*71-55-6*	*30*	2.3				0.24	U			0.24	U			0.24	U			0.24	U			0.24	U		
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U			0.43	U			0.43	U			0.43	U			0.43	U			0.43	U		
Trichloroethene	*79-01-6*	*1*	**5.1**				0.42	J			**1.4**				**480**				0.81	J			**42**			
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U			0.32	U			0.32	U			0.32	U			0.32	U			0.32	U		
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U			0.37	U			0.37	U			0.37	U			0.37	U			0.37	U		
Vinyl Chloride	*75-01-4*	*1*	0.17	U			0.17	U			0.17	U			0.17	U			0.17	U			0.17	U		
m,p-Xylene	*179601-23-1*	*--*	0.3	U			0.3	U			0.3	U			0.3	U			0.3	U			0.3	U		
o-Xylene	*95-47-6*	*--*	0.36	U			0.36	U			0.36	U			0.36	U			0.36	U			0.36	U		
Xylenes (total)	*1330-20-7*	*1000*	0.3	U			0.3	U			0.3	U			0.3	U			0.3	U			0.3	U		
Total VOC TIC	*SRP170*	*500*	ND	U			ND	U			ND	U			ND	U			ND	U			ND	U		

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-488A_PDB17.5		MW-488B_PDB32.5		MW-489A_PDB12.5		MW-496A_PDB17.5		MW-496S_PDB7.5		MW-501B_PDB32.5	
	Date Sampled:	11/26/2019		11/26/2019		11/26/2019		11/26/2019		11/26/2019		11/27/2019	
	LAB Sample ID:	460197792-1-6		460197792-1-8		460197792-1-4		460197792-1-18		460197792-1-16		460197809-1-12	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	88	U	12		12		14		18		11	
Benzene	*71-43-2*	*1*	*4.1*	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	8.2	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	*6.9*	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	*11*	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	*11*	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	37	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	16	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	***40***		**1.3**		**2.1**		**1.5**		**1.1**		0.21	U
Chlorobenzene	*108-90-7*	*50*	7.5	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	6.4	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	12	J	0.78	J	2.2		1.3		0.92	J	1.6	
Chloromethane	*74-87-3*	*100*	8	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	4.4	U	0.46	J	0.22	U	0.48	J	0.34	J	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	4.4	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	6.4	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*7.5*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	*5.6*	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*10*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	8.6	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	6.8	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	6.7	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	6.2	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	5.3	U	1.1		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	*8.6*	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	*5.3*	U	0.95	J	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	*7.1*	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	6	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	23	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	6.7	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	16	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	9.3	U	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	26	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	5.2	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	*6.3*	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	8.3	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	*7.3*	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	***6.3***	J	0.86	J	0.75	J	**4.6**		**2.5**		0.4	J
Toluene	*108-88-3*	*600*	7.6	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	4.7	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	9.7	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	6.2	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	7.1	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	4.8	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	*8.7*	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	***4300***		**59**		**2**		**2.4**		**2.4**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	6.4	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	7.3	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	*3.4*	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	5.9	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	7.2	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	5.9	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Attachment 1

1,4-Dioxane in Groundwater – 4Q 2019

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	66RI-MW4_RPPS7.02	DW-B_RPPS132.75	DW-2-D2_RPPS276.83	DW-B_RPPS113.75	DW-3-D2_RPPS286.84	DW-C_RPPS138.75
	Date Sampled:	12/31/2019	11/23/2019	11/23/2019	11/22/2019	11/22/2019	11/27/2019
	LAB Sample ID:	460199984-1-5	460197573-1-23	460197573-1-21	460197419-1-39	460197419-1-37	460197809-1-95
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	**3.6**		0.33	U	**0.46**		0.33	U	0.33	U	**1.5**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	DW-4D_RPPS446.754	DW-4D_RPPS446.756 (A)	DW-4D_RPPS446.756 (B)	DW-6B_RPPS111.75	DW-7A_RPPS123.87	DW-8B_RPPS171.757	DW-8C_RPPS341.75
			Date Sampled:	11/27/2019	11/27/2019		12/5/2019	11/27/2019	11/27/2019	11/27/2019
			LAB Sample ID:	460197809-1-91	460197809-1-93		460198445-1-59	460197809-1-119	460197809-1-123	460197809-1-125
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***								
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U		0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	DW-7D_RPPS426.758		DW-A_RPPS117.758		DW-B_RPPS188.759		DW-B_RPPS133.7511		DW-B_RPPS96.7511	DW-D_RPPS446.75
		Date Sampled:	11/27/2019		11/23/2019		11/23/2019		12/13/2019		11/27/2019	11/27/2019
		LAB Sample ID:	460197809-1-121		460197573-1-53		460197573-1-51		460198929-1-11		460197809-1-87	460197809-1-85
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	DW-12A_RPPS130.75	DW-12B_RPPS182.75	DW-12CR_RPPS516.8(A)	DW-12CR_RPPS516.8(B)	DW-13B_RPPS171.75	DW-13-D2_RPPS241.8
		Date Sampled:	12/4/2019	12/4/2019	12/4/2019	12/4/2019	11/27/2019	11/27/2019
		LAB Sample ID:	460198445-1-35	460198445-1-33	460198445-1-29	460198445-1-31	460197809-1-29	460197809-1-31
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**15**	**2.6**	**1.8**	**2.3**	**34**	**7.5**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	DW-14A_RPPS176.715	DW-14B_RPPS234.015	DW-14C_RPPS381.115	DW-16C_RPPS434.715	DW-17C_RPPS116.75	DW-24_RPPS171.75
	Date Sampled:	12/4/2019	11/21/2019	11/21/2019	12/27/2019	11/22/2019	11/27/2019
	LAB Sample ID:	460198445-1-7	460197418-1-3	460197418-1-5	460199864-1-5	460197419-1-29	460197809-1-105
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	***160***	***69***	***110***	**1.3**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	DW-25B_RPPS221.825		C_RPPS403.825C_RPPS403.825D_RPPS556.825D_RPPS556.8 (A)		(B)		(A)		(B)		DW-25-D1_RPPS92.8	
		Date Sampled:	11/22/2019		11/22/2019		11/22/2019		11/22/2019		11/22/2019		11/22/2019	
		LAB Sample ID:	460197419-1-13		460197419-1-9		460197419-1-11		460197419-1-17		460197419-1-19		460197419-1-15	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**1**		**1.1**		**0.57**		**0.59**		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	DW-27B_RPPS291.7275		DW-C_RPPS421.828		DW-A_RPPS180.828		DW-B_RPPS307.829		DW-B_RPPS286.7295		DW-C_RPPS438.8	
			Date Sampled:	11/27/2019		11/27/2019		11/23/2019		11/23/2019		11/23/2019		11/23/2019	
			LAB Sample ID:	460197809-1-7		460197809-1-9		460197573-1-37		460197573-1-39		460197573-1-49		460197573-1-47	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*		**9.2**		**1.5**		**0.46**		**0.41**		0.36	J	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	DW-30B_RPPS256.7315		DW-1A_RPPS176.831		DW-1B_RPPS316.831		DW-1C_RPPS436.831 (A)		DW-1C_RPPS436.832 (B)		DW-2B_RPPS297.75	
		Date Sampled:	12/5/2019		11/23/2019		11/23/2019		11/23/2019		11/23/2019		12/4/2019	
		LAB Sample ID:	460198445-1-49		460197573-1-61		460197573-1-59		460197573-1-55		460197573-1-57		460198445-1-21	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**30**		**25**		**13**		**11**		**4.6**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	DW-33B_RPPS275.8	DW-33C_RPPS416.8	DW-34B_RPPS286.75	DW-37B_RPPS296.8	DW-38A_RPPS177.8	DW-38B_RPPS248.8
		Date Sampled:	12/4/2019	12/4/2019	12/13/2019	11/25/2019	11/22/2019	11/22/2019
		LAB Sample ID:	460198445-1-5	460198445-1-3	460198929-1-9	460197573-1-73	460197419-1-47	460197419-1-45
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**7.8**	**6.6**	***50***	**0.67**	0.33 U	**1.7**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	DW-38C_RPPS531.838 (A)		DW-38C_RPPS531.839 (B)		DW-B_RPPS292.839		DW-C_RPPS492.839 (A)		DW-C_RPPS492.840 (B)		DW-A_RPPS138.8	
		Date Sampled:	11/23/2019		11/23/2019		11/21/2019		11/21/2019		11/21/2019		11/27/2019	
		LAB Sample ID:	460197573-1-9		460197573-1-11		460197418-1-11		460197418-1-7		460197418-1-9		460197809-1-57	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	**0.52**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	DW-40B_RPPS246.840	DW-C_RPPS396.841	DW-C_RPPS426.841 (A)	DW-C_RPPS426.842 (B)	DW-A_RPPS118.845	DW-A_RPPS121.8
			Date Sampled:	11/27/2019	11/27/2019	11/25/2019	11/25/2019	11/25/2019	12/5/2019
			LAB Sample ID:	460197809-1-59	460197809-1-61	460197573-1-87	460197573-1-89	460197573-1-91	460198445-1-55
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*		**0.58**	**10**	**1.1**	**0.82**	**3.2**	**1.7**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			DW-47A_RPPS117.5		47A_RPPS117.5 (A)		50B_RPPS186.8		50C_RPPS291.8		52A_RPPS126.8	57A_RPPS236.8
Date Sampled:			11/21/2019		11/21/2019		11/25/2019		12/5/2019		12/10/2019	11/25/2019
LAB Sample ID:			460197418-1-37		460197418-1-39		460197573-1-75		460198445-1-47		460198929-1-3	460197573-1-83
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**1.8**		**1.5**		0.33	U	0.33	U	**1**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			DW-58A_RPPS216.8		DW-64A_RPPS236.8		DW-67A_RPPS215.5	DW-67B_RPPS269.5	DW-68A_RPPS202.5	DW-68B_RPPS284.5		
Date Sampled:			11/23/2019		12/5/2019		12/4/2019	12/4/2019	12/5/2019	12/5/2019		
LAB Sample ID:			460197573-1-19		460198445-1-67		460198445-1-39	460198445-1-37	460198445-1-53	460198445-1-51		
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison		
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**1.2**		0.33	U	***110***	**31**	**1.6**	***52***		

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	MW-1G_RPPS10.75		MW-15A_RPPS13.25		MW-22A_RPPS40.75		MW-27_RPPS5.65		MW-27B_RPPS41.8		MW-32_RPPS7.75	
		Date Sampled:	11/27/2019		12/5/2019		12/4/2019		11/26/2019		11/26/2019		12/4/2019	
		LAB Sample ID:	460197809-1-55		460198445-1-57		460198445-1-27		460197792-1-47		460197792-1-43		460198445-1-15	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**28**		0.33	U	***84***		0.33	U	**2.1**		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	MW-43_RPPS21.85		MW-44_RPPS16.04		4B_RPPS41.75		4C_RPPS76.75		MW-46_RPPS58.75		103A_RPPS11.6				
		Date Sampled:	11/26/2019		11/27/2019		12/27/2019		11/27/2019		11/23/2019		11/21/2019				
		LAB Sample ID:	460197792-1-57		460197809-1-5		460199864-1-3		460197809-1-3		460197573-1-3		460197418-1-19				
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison				
Parameter (ug/l)	***CAS No.***	***GWQS***															
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	**42**				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-104A_RPPS7.9	MW-104B_RPPS30.1	MW-104C_RPPS76.75	MW-105A_RPPS7.9	MW-105B_RPPS36.0	MW-106A_RPPS9.4
	Date Sampled:	11/21/2019	11/21/2019	11/21/2019	12/5/2019	12/5/2019	11/21/2019
	LAB Sample ID:	460197418-1-23	460197418-1-25	460197418-1-21	460198445-1-79	460198445-1-77	460197418-1-27
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**10**	0.33 U	**43**	0.33 U	**1.1**	**25**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-106B_RPPS31.2		MW-108A_RPPS7.9		MW-114_RPPS75.4		114A_RPPS71.8		117_RPPS71.25 (A)		117_RPPS71.25 (B)	
	Date Sampled:	11/21/2019		12/5/2019		11/23/2019		11/23/2019		11/25/2019		11/25/2019	
	LAB Sample ID:	460197418-1-29		460198445-1-75		460197573-1-25		460197573-1-27		460197573-1-101		460197573-1-103	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	MW-120_RPPS76.75 (A)	MW-120_RPPS76.75 (B)	MW-122_RPPS76.25	MW-124A_RPPS23.0	MW-124B_RPPS25.75	MW-126_RPPS8.5
			Date Sampled:	11/23/2019	11/23/2019	11/23/2019	11/22/2019	11/22/2019	11/27/2019
			LAB Sample ID:	460197573-1-5	460197573-1-7	460197573-1-13	460197419-1-23	460197419-1-21	460197809-1-51
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	**6.9**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	MW-126B_RPPS41.8		MW-126C_RPPS76.8		MW-131_RPPS14.45		MW-131B_RPPS33.8		MW-131C_RPPS76.8		MW-143_RPPS18.65	
		Date Sampled:	11/27/2019		11/27/2019		11/22/2019		11/22/2019		11/22/2019		11/22/2019	
		LAB Sample ID:	460197809-1-53		460197809-1-49		460197419-1-33		460197419-1-31		460197419-1-35		460197419-1-3	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	***120***		***84***		0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-143B_RPPS46.8	MW-143C_RPPS76.8	MW-144A_RPPS13.5	MW-144B_RPPS34.75	MW-146A_RPPS23.3 (A)	MW-146A_RPPS23.3 (B)
	Date Sampled:	11/22/2019	11/22/2019	12/5/2019	12/5/2019	11/27/2019	11/27/2019
	LAB Sample ID:	460197419-1-7	460197419-1-5	460198445-1-83	460198445-1-81	460197809-1-101	460197809-1-103
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.56**	**0.77**	**1.6**	0.33 U	**0.41**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	MW-146B_RPPS5		MW-146C_RPPS5		MW-148A_RPPS5		MW-148B_RPPS5		MW-170AR_RPPS.25	MW-171A_RPPS5
		Date Sampled:	3.7 11/27/2019		6.7 11/27/2019		4.3 11/22/2019		4.8 11/22/2019		12/30/2019	6.7 11/21/2019
		LAB Sample ID:	460197809-1-97		460197809-1-99		460197419-1-25		460197419-1-27		460199984-1-3	460197418-1-43
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**0.6**		0.33	U	0.33	U	**0.91**	**1.4**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-171B_RPPS46.75	MW-171C_RPPS66.75	MW-172_RPPS37.0	MW-201_RPPS28.75	MW-201A_RPPS21.75	MW-201B_RPPS41.8
	Date Sampled:	11/21/2019	11/21/2019	12/10/2019	11/27/2019	11/27/2019	11/27/2019
	LAB Sample ID:	460197418-1-45	460197418-1-41	460198929-1-5	460197809-1-111	460197809-1-113	460197809-1-115
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.98**	**0.93**	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-201C_RPPS92.8205	MW-204C_RPPS61.7205	MW-206B_RPPS46.7205	MW-206C_RPPS76.7205	MW-207A_RPPS6.75	MW-207B_RPPS44.75
	Date Sampled:	11/27/2019	12/5/2019	12/4/2019	12/4/2019	11/27/2019	11/27/2019
	LAB Sample ID:	460197809-1-117	460198445-1-61	460198445-1-9	460198445-1-11	460197809-1-23	460197809-1-19
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.48**	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-207C_RPPS_61.7_5	MW-208C_RPPS_76.7_5	MW-209A_RPPS_14.7_5	MW-209B_RPPS_36.7_5	MW-209C_RPPS_76.7_5	MW-213B_RPPS_46.7_5
	Date Sampled:	11/27/2019	11/27/2019	11/27/2019	11/27/2019	11/27/2019	11/27/2019
	LAB Sample ID:	460197809-1-21	460197809-1-37	460197809-1-63	460197809-1-65	460197809-1-67	460197809-1-79
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**18**	0.33 U	**0.45**	**26**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-213C_RPPS76.7215	MW-214A_RPPS23.2215	MW-214B_RPPS41.7215	MW-214C_RPPS66.7215	MW-215C_RPPS76.7216	MW-216C_RPPS71.75
	Date Sampled:	11/27/2019	11/27/2019	11/27/2019	11/27/2019	11/27/2019	11/27/2019
	LAB Sample ID:	460197809-1-81	460197809-1-75	460197809-1-77	460197809-1-73	460197809-1-83	460197809-1-89
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.34 J	**5.1**	**4.3**	0.33 U	**0.97**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	MW-222_RPPS71.75		222C_RPPS253.75		MW-236B_RPPS34.75		MW-236C_RPPS54.75		MW-237A_RPPS27.5	MW-237B_RPPS73.8
		Date Sampled:	12/4/2019		12/4/2019		11/27/2019		11/27/2019		11/23/2019	11/23/2019
		LAB Sample ID:	460198445-1-23		460198445-1-25		460197809-1-71		460197809-1-69		460197573-1-67	460197573-1-65
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	**0.58**		0.33	U	***41***	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-237C_RPPS111.2375	MW-238C_RPPS76.75	MW-249A_RPPS16.825	MW-257A_RPPS27.025	MW-257B_RPPS46.75	MW-258B_RPPS80.75
	Date Sampled:	11/23/2019	11/25/2019	12/5/2019	12/5/2019	12/5/2019	11/27/2019
	LAB Sample ID:	460197573-1-63	460197573-1-99	460198445-1-65	460198445-1-87	460198445-1-85	460197809-1-109
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**18**	**2.2**	0.33 U	0.33 U	**2.1**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-258C_RPPS106.2	MW-260C_RPPS62.075	MW-260-S3_RPPS121.8	MW-266B_RPPS61.95	MW-266C_RPPS86.85	MW-269A_RPPS55.0
	Date Sampled:	11/27/2019	12/10/2019	11/25/2019	12/4/2019	12/4/2019	11/22/2019
	LAB Sample ID:	460197809-1-107	460198929-1-7	460197573-1-69	460198445-1-19	460198445-1-17	460197419-1-41
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.36 J	**5.3**	**25**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	MW-269C_RPPS121.8		MW-270A_RPPS59.5		MW-271A_RPPS56.8		MW-271B_RPPS91.8		MW-271C_RPPS126.8		MW-275A_RPPS7.0	
		Date Sampled:	11/22/2019		11/25/2019		11/23/2019		11/23/2019		11/23/2019		11/27/2019	
		LAB Sample ID:	460197419-1-43		460197573-1-71		460197573-1-33		460197573-1-35		460197573-1-31		460197809-1-47	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	**1.5**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-275B_RPPS36.8	MW-275C_RPPS71.8	MW-276A_RPPS26.8	MW-276B_RPPS51.8	MW-276C_RPPS86.8	MW-287AR_RPPS10.7
	Date Sampled:	11/27/2019	11/27/2019	11/21/2019	11/21/2019	11/21/2019	12/4/2019
	LAB Sample ID:	460197809-1-45	460197809-1-43	460197418-1-17	460197418-1-15	460197418-1-13	460198445-1-13
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**33**	**35**	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			MW-288B_RPPS41.8		MW-302C_RPPS95.5		MW-304A_RPPS17.5		MW-304B_RPPS37.5		MW-304C_RPPS72.5		MW-347B_RPPS46.8				
Date Sampled:			12/5/2019		11/25/2019		11/21/2019		11/21/2019		11/21/2019		11/27/2019				
LAB Sample ID:			460198445-1-63		460197573-1-93		460197418-1-33		460197418-1-35		460197418-1-31		460197809-1-33				
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison				
Parameter (ug/l)	***CAS No.***	***GWQS***															
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	**2**		**1.4**		**1.7**				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	MW-347C_RPPS71.8348	B_RPPS51.8348	C_RPPS91.8349	B_RPPS41.8349	C_RPPS91.8353	A_RPPS49.25
			Date Sampled:	11/27/2019	11/27/2019	11/27/2019	11/27/2019	11/27/2019	12/5/2019
			LAB Sample ID:	460197809-1-35	460197809-1-25	460197809-1-27	460197809-1-39	460197809-1-41	460198445-1-73
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**49**		**1.5**		***110***	**1.3**		***110***		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-353B_RPPS	76.3	353C_RPPS	124.3	73C_RPPS	114.3	74C_RPPS	98.8	375A_RPPS	50.7	375B_RPPS	69.8
	Date Sampled:	12/5/2019		12/5/2019		11/23/2019		11/25/2019		11/23/2019		11/23/2019	
	LAB Sample ID:	460198445-1-71		460198445-1-69		460197573-1-17		460197573-1-77		460197573-1-45		460197573-1-43	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	**0.44**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

	Sample No.:	MW-375C_RPPS_126.8	MW-376C_RPPS_119.8	MW-377B_RPPS_86.8	MW-377C_RPPS_109.8	MW-378C_RPPS_98.8	MW-416A_RPPS_34.8
	Date Sampled:	11/23/2019	11/23/2019	11/25/2019	11/25/2019	11/25/2019	12/4/2019
	LAB Sample ID:	460197573-1-41	460197573-1-29	460197573-1-81	460197573-1-79	460197573-1-85	460198445-1-45
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	**3.9**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

			Sample No.:	MW-416B_RPPS49.25	MW-416C_RPPS105.0	MW-417C_RPPS119.25	MW-446A_RPPS17.5	MW-452C_RPPS57.5 (A)	MW-452C_RPPS57.5 (B)
			Date Sampled:	12/4/2019	12/4/2019	11/23/2019	11/26/2019	11/25/2019	11/25/2019
			LAB Sample ID:	460198445-1-43	460198445-1-41	460197573-1-15	460197792-1-45	460197573-1-95	460197573-1-97
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**20**		***260***		0.39 J	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	MW-472A_RPPS17.5		MW-472S_RPPS7.5		473A_RPPS12.5		474A_RPPS12.5		474B_RPPS37.5	475A_RPPS12.5
		Date Sampled:	11/26/2019		11/26/2019		11/26/2019		11/26/2019		11/26/2019	11/26/2019
		LAB Sample ID:	460197792-1-39		460197792-1-41		460197792-1-29		460197792-1-23		460197792-1-21	460197792-1-3
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**0.82**		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	MW-476A_RPPS17.5		MW-477A_RPPS12.5		MW-479A_RPPS12.5		MW-479B_RPPS31.8		MW-479C_RPPS101.8		MW-479S_RPPS6.5	
		Date Sampled:	11/26/2019		11/26/2019		11/26/2019		11/26/2019		11/26/2019		11/26/2019	
		LAB Sample ID:	460197792-1-49		460197792-1-51		460197792-1-37		460197792-1-35		460197792-1-31		460197792-1-33	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	***120***		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			MW-480A_RPPS_12.5		MW-481B_RPPS_57.5		MW-481C_RPPS_82.5	MW-482B_RPPS_42.5		MW-482C_RPPS_87.5	MW-483B_RPPS_57.5	
Date Sampled:			11/27/2019		11/26/2019		11/26/2019	11/26/2019		11/26/2019	11/27/2019	
LAB Sample ID:			460197809-1-11		460197792-1-55		460197792-1-53	460197792-1-61		460197792-1-59	460197809-1-15	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**3.8**	0.33	U	**7.5**	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

Sample No.:			MW-483C_RPPS72.5		MW-485A_RPPS12.5		MW-486A_RPPS12.5		MW-487A_RPPS17.5		MW-487B_RPPS32.5	MW-487S_RPPS8.75
Date Sampled:			11/27/2019		11/26/2019		11/26/2019		11/26/2019		11/26/2019	11/26/2019
LAB Sample ID:			460197809-1-17		460197792-1-25		460197792-1-27		460197792-1-15		460197792-1-11	460197792-1-13
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**1.7**		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2019

		Sample No.:	MW-488A_RPPS17.5		MW-488B_RPPS32.5		MW-489A_RPPS12.5		MW-496A_RPPS17.5		MW-496S_RPPS7.5		501B_RPPS32.5					
		Date Sampled:	11/26/2019		11/26/2019		11/26/2019		11/26/2019		11/26/2019		11/27/2019					
		LAB Sample ID:	460197792-1-7		460197792-1-9		460197792-1-5		460197792-1-19		460197792-1-17		460197809-1-13					
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**0.46**		0.33	U	0.33	U	0.33	U	0.33	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Attachment 1

Volatile Organic Compounds (VOCs) in Groundwater – 4Q 2020

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	66RI-MW4_PDB7.0		131RI-MW1_PDB7.8		138RI-MW1R_PDB24.5		138RI-MW1R_PDB29.5		DW-2B_PDB132.75		DW-2-D2_PDB276.8	
			Date Sampled:	10/19/2020		10/19/2020		11/13/2020		11/13/2020		10/13/2020		10/13/2020	
			LAB Sample ID:	460221083-1-18		460221083-1-20		460222839-1-2		460222839-1-4		460220764-1-46		460220764-1-44	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*		44		49		22		68		120		110	
Benzene	*71-43-2*	*1*		0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*		0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*		0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*		0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*		3.3	J	1.9	U	1.9	U	5.3		1.9	U	4.6	J
Carbon Disulfide	*75-15-0*	*700*		0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*		0.33	U	0.33	U	0.49	J	0.48	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*		0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*		0.34	J	0.62	J	1.3		1.2		0.22	U	1.6	
cis-1,3-Dichloropropene	*10061-01-5*	*--*		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*		*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*		0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*		*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*		0.21	U	0.21	U	0.21	U	0.21	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*		1.5		0.98	J	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*		0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*		**1.7**		0.36	J	0.5	J	0.45	J	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*		0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*		ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*		0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*		0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*		0.6	J	0.22	U	0.22	U	0.22	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*		1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*		0.71	U	0.71	U	0.71	U	0.71	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*		0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*		0.63	J	**1.3**		**2.8**		**1.8**		**1.4**		**1.1**	
Toluene	*108-88-3*	*600*		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.39	J
trans-1,2-Dichloroethene	*156-60-5*	*100*		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*		0.22	U	0.22	U	0.22	U	0.22	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*		0.41	J	0.47	J	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*		0.2	U	0.2	U	0.2	U	0.2	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*		0.32	J	0.47	J	**1.6**		**1.4**		**3**		0.79	J
Trichlorofluoromethane	*75-69-4*	*2000*		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*		0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*		0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*		0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*		ND	U	ND	U	ND	U	ND	U	20	JN	25	JN

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Bold indicates concentrations above the GWQS
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NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-3B_PDB113.75		DW-3-D2_PDB286.8		DW-4C_PDB138.75		DW-4D_PDB446.75		DW-6B_PDB111.75		DW-6C_PDB287.75	
		Date Sampled:	10/14/2020		10/14/2020		10/16/2020		10/16/2020		10/20/2020		10/20/2020	
		LAB Sample ID:	460220919-1-43		460220919-1-45		460221016-1-42		460221016-1-44		460221083-1-92		460221083-1-94	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	130		120		21		52		58		170	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.7	J	4.2	J	1.9	U	4.1	J	3.9	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.52	J	0.33	U	0.85	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	32		0.22	U	11		**200**	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.39	J	0.32	U	0.32	U	0.32	U	0.33	J	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.56	J
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	1	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.39	J	**11**		0.25	U	**43**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.88	J	0.24	U	0.24	U	1.3	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**3.5**		0.31	U	**3.9**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.22	J	0.3	J
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	13	JN	12	JN	ND	U	ND	U	ND	U	13	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-6D_PDB494.75 (A)		DW-6D_PDB494.75 (B)		DW-7A_PDB123.8		DW-7B_PDB171.75		DW-7C_PDB341.75		DW-7D_PDB426.75	
		Date Sampled:	10/20/2020		10/20/2020		10/15/2020		10/15/2020		10/15/2020		10/15/2020	
		LAB Sample ID:	460221083-1-96		460221083-1-97		460221015-1-57		460221015-1-53		460221015-1-51		460221015-1-55	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	98		100		23		79		21		130	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.41	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.82	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.69	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	1.1	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	1.1	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	4.4	J	3.7	J	1.9	U	4.4	J	1.9	U	3.4	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	1.6	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.42	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.75	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.3		1.3	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.8	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.4		3.6		4.2		1.5	J	**470**		0.87	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.44	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.75*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.56	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*1*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.42	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.68	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.67	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.53	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.86	U	0.45	J	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.53	U	**1.5**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.71	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.6	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	2.3	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.67	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	1.6	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.43	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	2.6	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	1.4	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.63	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.83	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**3.7**		**3.7**		**1.1**		**800**		**4.4**		**3.5**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.76	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.47	U	1.8		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.45	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.71	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.48	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.41	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**1.2**		**1.1**		0.64	J	**2.4**		**12**		0.88	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.36	J	0.4	J	0.5	J	0.34	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.59	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.72	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	1.3	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	19	JN	18	JN	ND	U	ND	U	ND	U	18	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	DW-8A_PDB117.75		DW-8B_PDB188.75		DW-8C_PDB303.75		DW-9A_PDB91.75		DW-11B_PDB96.75		DW-11D_PDB446.75	
	Date Sampled:	10/13/2020		10/13/2020		10/13/2020		10/20/2020		10/15/2020		10/15/2020	
	LAB Sample ID:	460220764-1-16		460220764-1-18		460220764-1-20		460221083-1-102		460221015-1-85		460221015-1-87	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	150		120		200		120		76		80	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	*2*	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	4.1	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	*3.4*	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	*5.4*	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	5.5	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	19	U	1.9	U	2.8	J	3	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	8.2	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	*2.1*	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	3.8	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	3.2	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	3.3	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**210**		3.3		**1700**		1		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	3.2	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*3.8*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	*2.8*	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	4.3	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	3.4	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	3.3	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	3.1	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	2.6	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	*4.3*	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.45	J	0.26	U	***4.8***	J	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	*3.5*	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	11	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	3.4	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	7.9	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	4.7	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	13	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	2.6	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	*3.2*	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	4.2	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	*3.7*	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**4.4**		***15***		**6.5**		0.38	J	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	3.8	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	1.4		0.24	U	10		0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	4.9	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	3.1	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	3.6	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	2.4	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	*4.3*	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**2.1**		0.56	J	***27***		0.48	J	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	3.2	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	3.7	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	*1.7*	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	3.6	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	6.5	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	12	JN	9.3	JN	ND	U	14	JN	26	JN	28	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			DW-12A_PDB130.75		DW-12B_PDB182.75		DW-12CR_PDB516.8		DW-D2_PDB241.8		DW-16A_PDB215.5		DW-16B_PDB293.75	
Date Sampled:			10/19/2020		10/19/2020		10/19/2020		10/15/2020		10/19/2020		10/19/2020	
LAB Sample ID:			460221083-1-66		460221083-1-62		460221083-1-64		460221015-1-19		460221083-1-38		460221083-1-40	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	22		21		22		90		51		100	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	4.2	J	1.9	U	4.2	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.38	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	2.4		2.5		0.22	U	0.34	J	29		0.31	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.54	J	0.63	J	0.26	U	0.36	J	**110**		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.65	J	0.99	J	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.3	J	**1.4**		0.26	U	0.26	U	**240**		0.34	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	4		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**4.2**		0.25	U	0.25	U	**3.5**		0.31	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	11		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.41	J	0.2	U
Trichloroethene	*79-01-6*	*1*	0.52	J	**1.1**		0.31	U	0.31	U	**20**		0.89	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.37	J	**1.3**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	22	JN	15	JN	14	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	DW-16C_PDB434.75		DW-17C_PDB116.75		DW-24_PDB171.75		DW-27B_PDB291.75		DW-27C_PDB421.8 (A)		DW-27C_PDB421.8 (B)	
	Date Sampled:	10/19/2020		10/15/2020		10/16/2020		10/19/2020		10/19/2020		10/19/2020	
	LAB Sample ID:	460221083-1-42		460221015-1-67		460221016-1-34		460221083-1-28		460221083-1-30		460221083-1-31	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	49		33		130		29		56		55	
Benzene	*71-43-2*	*1*	0.28	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	6.1		3.7	J	1.9	U	4.4	J	3.5	J	4.3	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.76	J	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.8	J	0.22	U	0.22	U	0.61	J	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	1.6		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.5	J	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.63	J	0.43	J	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	22	JN	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-28A_PDB180.8			DW-28B_PDB307.8			DW-29B_PDB286.75			DW-29C_PDB438.8 (A)			DW-29C_PDB438.8 (B)			DW-30B_PDB256.75					
		Date Sampled:	10/13/2020			10/13/2020			10/13/2020			10/13/2020			10/13/2020			10/13/2020					
		LAB Sample ID:	460220764-1-34			460220764-1-36			460220764-1-22			460220764-1-24			460220764-1-25			460220764-1-10					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	120			51			66			49			51			51					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	4.1	J		4.5	J		4.3	J		4.7	J		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.91	J		0.33	U		0.33	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	2.5			3.9			0.22	U		1.5			1.3			**160**					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.64	J				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.55	J		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U		0.47	U		0.47	U		0.47	U		0.47	U		0.47	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	**11**			0.35	J		**26**			**4**			**4.2**			**2.3**					
Toluene	*108-88-3*	*600*	0.38	U		1.5			0.38	U		1.2			1.2			5.7					
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.41	J		0.24	U		0.24	U		0.24	U		0.86	J				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U		0.49	U		0.49	U		0.49	U		0.49	U		0.49	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
Trichloroethene	*79-01-6*	*1*	**1.5**			**18**			0.41	J		**9.7**			**12**			**4.7**					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.45	J				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.78	J		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		1			0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		1.78	J		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	16	JN		23	JN		ND	U		ND	U		ND	U		12	JN				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-31C_PDB436.8			DW-32A_PDB155.75			DW-32B_PDB297.75			DW-33A_PDB151.80			DW-33B_PDB275.8			DW-33C_PDB416.8 (A)					
		Date Sampled:	10/13/2020			10/14/2020			10/14/2020			10/19/2020			10/19/2020			10/19/2020					
		LAB Sample ID:	460220764-1-6			460220919-1-57			460220919-1-55			460221083-1-4			460221083-1-6			460221083-1-8					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	120			100			83			47			50			39					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.28	J				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	3.3	J		2.7	J		3	J		1.9	U		4.7	J		4.3	J				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		1.8			1.9			0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		0.36	J		0.33	U		0.33	U		0.33	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		0.46	J		1.4			2.3			1.4			1.6					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	J		0.35	J		0.32	U		0.36	J		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		3.2			9.7			**52**			1.4			3.7					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.55	J		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		**3.7**			**4.3**			**16**			1			**1.2**					
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U		0.22	U		1.5			0.57	J		0.22	U		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.26	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.44	J		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U		0.39	J		0.25	U		0.25	U		0.3	J		0.25	U				
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		2.7			1					
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.28	J		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		1.3			0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	0.31	U		0.76	J		0.31	U		**1.2**			**1.4**			0.46	J				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		1			**5.3**			0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	21	JN		17	JN		17	JN		ND	U		ND	U		6.6	JN				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-33C_PDB416.8 (B)			DW-34B_PDB286.75			DW-37B_PDB296.8			DW-38A_PDB177.8			DW-38B_PDB248.8			DW-39B_PDB292.8					
		Date Sampled:	10/19/2020			10/16/2020			10/13/2020			10/14/2020			10/14/2020			10/14/2020					
		LAB Sample ID:	460221083-1-9			460221016-1-2			460220764-1-60			460220919-1-37			460220919-1-35			460220919-1-14					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	38			150			54			160			140			100					
Benzene	*71-43-2*	*1*	0.29	J		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	3.9	J		1.9	U		4.8	J		3.6	J		3.7	J		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		11			0.33	U		0.33	U		1.4			0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.5			22			0.63	J		0.22	U		1.7			0.22	U				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.43	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	3.7			**97**			0.26	U		0.26	U		0.26	U		0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		1.4			0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	**1.2**			**430**			0.26	U		0.26	U		0.26	U		0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.47	U		0.22	U		0.22	U		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.26	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U		**18**			0.52	J		0.98	J		**13**			0.25	U				
Toluene	*108-88-3*	*600*	1			0.38	U		0.38	U		0.38	J		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.49	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		4.2			0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		21			0.24	U		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.99	J		0.43	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	0.44	J		**52**			**3.7**			**1.5**			**1.4**			0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U		26	JN		ND	U		13	JN		11	JN		13	JN				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	DW-39C_PDB492.8 (A)		DW-39C_PDB492.8 (B)		DW-40A_PDB138.8		DW-40B_PDB246.8		DW-40C_PDB396.8 (A)		DW-40C_PDB396.8 (B)									
			Date Sampled:	10/14/2020		10/14/2020		10/15/2020		10/15/2020		10/15/2020		10/15/2020									
			LAB Sample ID:	460220919-1-16		460220919-1-17		460221015-1-27		460221015-1-29		460221015-1-31		460221015-1-32									
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison									
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	140		130		130		110		52		51										
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U									
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U									
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U									
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U									
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U									
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	3.3	J	4.4	J	3.9	J	5.1										
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U									
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U									
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.5	J	0.38	U	0.38	U									
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U									
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U									
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U									
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.27	J	0.27	J									
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U									
Cyclohexane	*110-82-7*	*100*	0.36	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U									
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U									
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U									
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U									
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U									
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U									
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U									
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U									
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U									
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U									
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U									
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U									
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND										
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U									
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U									
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U									
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U									
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U									
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U									
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U									
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U									
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U									
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U									
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U									
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.4	J	0.47	J									
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U									
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U									
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U									
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U									
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U									
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U									
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U									
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U									
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U									
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.23	J									
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U									
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U									
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U									
Total VOC TIC	*SRP170*	*500*	12	JN	12	JN	22	JN	20	JN	15	JN	15	JN									

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U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-41C_PDB426.8		DW-45A_PDB121.8		DW-52A_PDB126.8		DW-58A_PDB216.8		DW-64A_PDB236.8		DW-65-73-S2	
		Date Sampled:	10/20/2020		10/20/2020		10/20/2020		10/20/2020		10/15/2020		10/12/2020	
		LAB Sample ID:	460221083-1-100		460221083-1-104		460221083-1-124		460221083-1-116		460221015-1-43		460220864-1-12	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	130		110		110		60		26		4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.77	J
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	3	J	4	J	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	3.3	
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.81	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	18		0.78	J	21		9.2		0.22	U	0.74	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.37	J	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	2.2	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	**2.3**	
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	**5.7**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.51	J	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	**200**	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**3.1**		0.56	J	0.83	J	**13**		**16**		0.25	U
Toluene	*108-88-3*	*600*	1.5		0.74	J	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	1.2		0.48	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**4.9**		0.31	J	0.31	U	**2.5**		0.31	U	0.36	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.42	J	0.77	J	**37**		0.91	J	0.17	U	**3.2**	
m,p-Xylene	*179601-23-1*	*--*	1.9		0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.85	J	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	2.75		0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	14	JN	12	JN	14	JN	14	JN	ND	U	19.3	J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	DW-65-91-S3(A)		DW-65-91-S3(B)		DW-65-119-S3		DW-65-145-D1		DW-65-154-D1		DW-65-176-D1	
			Date Sampled:	10/12/2020		10/12/2020		10/12/2020		10/12/2020		10/12/2020		10/12/2020	
			LAB Sample ID:	460220864-1-11		460220864-1-27		460220864-1-10		460220864-1-9		460220864-1-8		460220864-1-7	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	**5**		**4.7**		0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	4.5		4.3		0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.36	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.51	J	0.28	J	0.22	U	0.22	U	0.22	U	0.74	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	3.5		3		0.26	U	0.54	J	1.4		1.9	
1,2-Dichloroethane	*107-06-2*	*2*	**2.3**		**2.3**		0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**3.5**		**1.7**		0.26	U	0.26	U	**1.1**		**1.9**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	**460**		**450**		2.2		2.4		5.3		0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**1.7**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.91	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	**1.8**		**1.6**		0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	61	J	40	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:		DW-65-185-D1		DW-65-199-D1		DW-65-211-D1		DW-65-221-D1		DW-65-262-D2		DW-65-350-D2	
			Date Sampled:		10/12/2020		10/12/2020		10/12/2020		10/12/2020		10/12/2020		10/12/2020	
			LAB Sample ID:		460220864-1-6		460220864-1-5		460220864-1-4		460220864-1-3		460220864-1-2		460220864-1-1	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.42	J	0.6	J	0.27	J	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.82	J	18		22		0.38	U	0.39	J	0.38	U		
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.8		9		6.1		0.6	J	14		0.68	J		
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	3.1		4.3		2.6		0.95	J	3.5		1.1			
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	**50**		1.8			
1,1-Dichloroethene	*75-35-4*	*1*	0.64	J	**1.4**		0.63	J	0.31	J	**4.7**		0.29	J		
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND			
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.68	J	1.6		0.97	J	1		13		0.47	U		
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.86	J	0.25	U	0.25	U	0.25	U	**4.3**		0.25	U		
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.43	J	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.89	J	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**2.3**		0.76	J	0.32	J	0.31	U	**24**		0.64	J		
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.52	J	0.98	J	0.71	J	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	29	JN	42	JN	36	JN	ND	U	ND	U		

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			DW-67B_PDB269.5		DW-68A_PDB202.5		DW-70-83-S3		DW-70-114-S3		DW-70-123-D1		DW-70-150-D1	
Date Sampled:			10/19/2020		10/19/2020		10/12/2020		10/12/2020		10/12/2020		10/12/2020	
LAB Sample ID:			460221083-1-68		460221083-1-60		460220864-1-19		460220864-1-18		460220864-1-17		460220864-1-16	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	61		20		4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.41	J
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	6.4		1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	1.3		19	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1		1.8		0.37	J	1.2	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	19		2.1		6.5		12		4.7		5.2	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.43	U	0.43	U	6.9		120	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	1.6		27	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	J	6.1		**110**	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	2.5		1.3		12		33		25		30	
1,2-Dichloroethane	*107-06-2*	*2*	**12**		**2.6**		1.7		**3.4**		1.2		0.82	J
1,1-Dichloroethene	*75-35-4*	*1*	0.81	J	0.33	J	**29**		**71**		**70**		**54**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.1		0.56	J	1.9		0.94	J	3.3		2	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.26	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**8.2**		**22**		**3.3**		**6.1**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	1.2		0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.49	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	17		15		1.5		0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.84	J	7.8	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	1.2		1.1		1.7		2.4	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.43	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	**1.1**		0.51	J	**52**		**67**		**8**		**8.3**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.69	J	**9.2**	
Vinyl Chloride	*75-01-4*	*1*	**4.9**		**2.5**		0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.32	J	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.32	J	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	DW-70-174-D1		DW-70-205-D1		DW-70-261-D2		DW-72-120-S3		DW-72-146-S3		DW-72-167-D1	
			Date Sampled:	10/12/2020		10/12/2020		10/12/2020		10/12/2020		10/12/2020		10/12/2020	
			LAB Sample ID:	460220864-1-15		460220864-1-14		460220864-1-13		460220864-1-26		460220864-1-25		460220864-1-24	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	7.8		0.38	U	0.38	U	0.38	U	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	
Chloroform	*67-66-3*	*70*	2.2		0.33	U	0.46	J	1		0.33	U	0.33	J	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	
cis-1,2-Dichloroethene	*156-59-2*	*70*	4.6		0.37	J	5.8		0.22	U	0.22	U	0.22	U	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	
1,1-Dichloroethane	*75-34-3*	*50*	24		0.98	J	5.8		0.26	U	0.26	U	0.26	U	
1,2-Dichloroethane	*107-06-2*	*2*	0.56	J	0.43	U	**3.5**		0.43	U	0.43	U	0.43	U	
1,1-Dichloroethene	*75-35-4*	*1*	**49**		**2.7**		**7.9**		0.26	U	0.26	U	0.26	U	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND		
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	2.4		0.47	U	0.47	U	0.47	U	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	
Tetrachloroethene	*127-18-4*	*1*	**6.7**		0.71	J	**4.8**		**3.8**		**31**		**7.2**		
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	
Freon 113	*76-13-1*	*20000*	1.9		0.31	U	1.4		0.31	U	0.31	U	0.31	U	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.8	J	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	
1,1,1-Trichloroethane	*71-55-6*	*30*	1.9		0.24	U	0.33	J	0.24	U	0.24	U	0.24	U	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	
Trichloroethene	*79-01-6*	*1*	**7.4**		0.68	J	**16**		0.31	U	0.65	J	0.31	U	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	5.9	JN	ND	U	ND	U	ND	U	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-72-176-D1		DW-72-217-D1		DW-72-237-D1		DW-72-316-D2		IW-157C2_PDB95.0		IW-168B_PDB43.5	
		Date Sampled:	10/12/2020		10/12/2020		10/12/2020		10/12/2020		10/20/2020		10/20/2020	
		LAB Sample ID:	460220864-1-23		460220864-1-22		460220864-1-21		460220864-1-20		460221083-1-130		460221083-1-80	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	28		110	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.2		0.88	J	1.3		0.41	J	0.46	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.92	J	46		1.8	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.43	U	0.43	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.76	J
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.35	J	0.57	J	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.47	U	0.47	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.26	U	0.26	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**80**		**17**		**56**		**130**		**55**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.33	J	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.49	U	0.49	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.43	U	0.43	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.45	J	0.31	U	0.34	J	**13**		**10**		0.46	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.96	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	15	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			IW-168C1_PDB68.5		IW-168C2_PDB87.5		MW-1G_PDB10.75		MW-2G_PDB10.75		MW-15A_PDB12.0		MW-16_PDB10.5	
Date Sampled:			10/20/2020		10/20/2020		10/15/2020		10/15/2020		10/20/2020		10/14/2020	
LAB Sample ID:			460221083-1-82		460221083-1-84		460221015-1-39		460221015-1-41		460221083-1-110		460220919-1-61	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	81		89		90		63		23		90	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	3.5	J	5.4		1.9	U	3.6	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.4		0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.6		**95**		3		0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.61	J	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	9.8		0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.86	J	**15**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**83**		**2.4**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.27	J	0.42	J	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	1.3		0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**22**		**8.9**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	**1.4**		**3.1**		0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	14	JN	23	JN	9.4	JN	ND	U	ND	U	13	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:	MW-24_PDB32.0		MW-43_PDB21.85		MW-44_PDB16.0		MW-44B_PDB41.75		MW-44C_PDB76.75		46_PDB58.75(A)	
Date Sampled:	10/19/2020		10/15/2020		10/19/2020		10/19/2020		10/19/2020		10/14/2020	
LAB Sample ID:	460221083-1-54		460221015-1-3		460221083-1-22		460221083-1-24		460221083-1-26		460220919-1-39	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	26		120		44		53		54		120	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	2.7	J	5		1.9	U	1.9	U	3.5	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.63	J	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.35	J	0.51	J	0.33	U	0.61	J	0.42	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	30		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.33	J	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.62	J	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.36	J	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**22**		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**13**		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.62	J	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	18	JN	ND	U	ND	U	ND	U	10	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	MW-46_PDB58.75(B)		MW-58_PDB33.75		MW-80C_PDB18.0		MW-102_PDB11.10		MW-105A_PDB7.9		MW-105B_PDB36.0					
			Date Sampled:	10/14/2020		10/13/2020		10/19/2020		10/20/2020		10/16/2020		10/16/2020					
			LAB Sample ID:	460220919-1-40		460220764-1-2		460221083-1-56		460221083-1-128		460221016-1-26		460221016-1-28					
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																	
Acetone	*67-64-1*	*6000*	130		62		29		21		130		140						
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.41	U	0.2	U	0.2	U	0.2	U					
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.82	U	0.41	U	0.41	U	0.41	U					
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.69	U	0.34	U	0.34	U	0.34	U					
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	1.1	U	0.54	U	0.54	U	0.54	U					
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	1.1	U	0.55	U	0.55	U	0.55	U					
2-Butanone (MEK)	*78-93-3*	*300*	2.6	J	1.9	U	3.7	U	1.9	U	3.1	J	3.5	J					
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	1.6	U	0.82	U	0.82	U	0.82	U					
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	**540**		0.21	U	0.21	U	0.21	U					
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.75	U	0.38	U	0.38	U	0.38	U					
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U					
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	57		0.33	U	0.33	U	0.5	J					
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.8	U	0.4	U	0.4	U	0.4	U					
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	**190**		0.22	U	0.22	U	0.22	U					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.44	U	0.22	U	0.22	U	0.22	U					
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U					
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.75*	U	*0.38*	U	*0.38*	U	*0.38*	U					
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.56	U	0.28	U	0.28	U	0.28	U					
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*1*	U	*0.5*	U	*0.5*	U	*0.5*	U					
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.43	U	0.42	U	0.21	U	0.21	U	0.21	U					
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.68	U	0.34	U	0.34	U	0.34	U					
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.67	U	0.33	U	0.33	U	0.33	U					
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U	0.31	U					
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.53	U	0.26	U	0.3	J	0.78	J					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.86	U	0.43	U	0.43	U	0.43	U					
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.94	J	0.26	U	0.27	J	**1.6**						
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.71	U	0.35	U	0.35	U	0.35	U					
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND						
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.6	U	0.3	U	0.3	U	0.3	U					
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	2.3	U	1.1	U	1.1	U	1.1	U					
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.67	U	0.34	U	0.34	U	0.34	U					
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	1.6	U	0.79	U	0.79	U	0.79	U					
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.47	U	0.43	U	0.22	U	0.22	U	0.22	U					
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	2.6	U	1.3	U	1.3	U	1.3	U					
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.26	U	1.4	U	0.71	U	0.71	U	0.71	U					
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.63	U	0.32	U	0.32	U	0.32	U					
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.83	U	0.42	U	0.42	U	0.42	U					
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U	0.37	U					
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**360**		0.25	U	0.25	U	0.25	U					
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.76	U	0.38	U	0.38	U	0.38	U					
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	3		0.24	U	0.24	U	0.24	U					
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.49	U	0.45	U	0.22	U	0.22	U	0.22	U					
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U	0.31	U					
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.71	U	0.36	U	0.36	U	0.36	U					
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.48	U	0.24	U	0.24	U	0.24	U					
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.43	U	0.41	U	0.2	U	0.2	U	0.2	U					
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**89**		0.31	U	0.31	U	0.92	J					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U					
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U	0.37	U					
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	**64**		0.17	U	0.17	U	0.17	U					
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.59	U	0.3	U	0.3	U	0.3	U					
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.72	U	0.36	U	0.36	U	0.36	U					
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	1.3	U	0.65	U	0.65	U	0.65	U					
Total VOC TIC	*SRP170*	*500*	12	JN	10	JN	ND	U	ND	U	20	JN	21	JN					

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:		MW-106B_PDB31.2		MW-112A_PDB6.80		MW-114_PDB75.4		MW-114A_PDB71.8		MW-117_PDB71.25 (A)	
			Date Sampled:	10/14/2020	10/14/2020		10/15/2020		10/13/2020		10/13/2020		10/19/2020	
			LAB Sample ID:	460220919-1-12	460220919-1-10		460221015-1-83		460220764-1-50		460220764-1-48		460221083-1-76	
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	78		100		120		160		150		150	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	2.7	J	3.1	J	2.9	J	4	J	4	J	2.8	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.2		0.38	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.9		0.61	J	0.69	J	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.33	J	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.43	U	0.43	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	8.8		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**1.7**		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.47	U	0.47	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.26	U	0.26	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**110**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.49	U	0.49	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.32	J	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.43	U	0.43	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**1.5**		0.31	U	0.67	J	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	**2.9**		0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	12	JN	21	JN	20	JN	19	JN	11	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-117_PDB71.25 (B)		MW-120_PDB76.75 (A)		MW-120_PDB76.75 (B)		MW-124A_PDB23.0		MW-124B_PDB25.75		MW-126_PDB8.5	
	Date Sampled:	10/19/2020		10/14/2020		10/14/2020		10/15/2020		10/15/2020		10/15/2020	
	LAB Sample ID:	460221083-1-77		460220919-1-47		460220919-1-48		460221015-1-79		460221015-1-81		460221015-1-35	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	140		97		94		76		61		92	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	J	3.6	J	3.3	J	3.2	J	3.2	J	3.8	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	2.6		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.34	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	2.1	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	**1.4**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.99	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	12	JN	11	JN	11	JN	ND	U	ND	U	14	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			MW-126B_PDB41.8		MW-131_PDB14.45		MW-131B_PDB33.8		MW-131C_PDB76.8		MW-143_PDB18.65		MW-143B_PDB46.8	
Date Sampled:			10/15/2020		10/15/2020		10/15/2020		10/15/2020		10/14/2020		10/14/2020	
LAB Sample ID:			460221015-1-37		460221015-1-69		460221015-1-71		460221015-1-73		460220919-1-26		460220919-1-24	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	87		73		79		60		160		100	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	2.9	J	3.2	J	3.6	J	3.5	J	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.46	J	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.53	J	0.33	U	0.74	J	2		0.33	U	1.4	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.6		0.22	U	0.22	U	0.22	U	0.22	U	0.47	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.57	J	0.32	U	0.37	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	9.8		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**10**		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.1		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**1.6**		0.25	U	0.25	U	0.26	J	0.25	U	**21**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.71	J	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**4.9**		0.31	U	0.31	U	0.31	U	0.31	U	0.76	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.26	J	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	17	JN	ND	U	17	JN	ND	U	9.5	JN	11	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-143C_PDB76.8		MW-145A_PDB24.3		MW-146A_PDB23.3		MW-146B_PDB53.75		MW-146C_PDB66.75		MW-148A_PDB24.35	
	Date Sampled:	10/14/2020		10/19/2020		10/16/2020		10/16/2020		10/16/2020		10/15/2020	
	LAB Sample ID:	460220919-1-28		460221083-1-2		460221016-1-50		460221016-1-46		460221016-1-48		460221015-1-75	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	120		140		78		64		66		59	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	2.7	J	6.2		4.9	J	4.1	J	3.6	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.4		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.47	J	0.22	U	1.7		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	J	0.32	U	0.35	J	0.32	U	0.32	U	0.35	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**7.7**		0.25	U	**9.6**		0.25	U	**30**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.78	J	0.31	U	0.47	J	0.31	U	**1.5**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	18	JN	15	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:	MW-201_PDB28.75		MW-201A_PDB21.75		MW-201B_PDB41.8		MW-201C_PDB92.8		MW-204C_PDB61.75		MW-206B_PDB46.75	
Date Sampled:	10/15/2020		10/15/2020		10/15/2020		10/15/2020		10/20/2020		10/19/2020	
LAB Sample ID:	460221015-1-65		460221015-1-63		460221015-1-59		460221015-1-61		460221083-1-90		460221083-1-34	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	88		130		97		27		21		51	
Benzene	*71-43-2*	*1*	0.41	U	0.2	U	0.41	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.82	U	0.41	U	0.82	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.69	U	0.34	U	0.69	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	1.1	U	0.54	U	1.1	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	1.1	U	0.55	U	1.1	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.7	U	1.9	U	3.7	U	1.9	U	1.9	U	3.7	J
Carbon Disulfide	*75-15-0*	*700*	1.6	U	0.82	U	1.6	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.42	U	0.21	U	0.42	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	19		2.7		12		0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.64	U	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.65	U	0.33	U	0.65	U	0.33	U	0.34	J	0.9	J
Chloromethane	*74-87-3*	*100*	0.8	U	0.4	U	0.8	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**640**		**200**		**310**		3.6		2		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.44	U	0.22	U	0.44	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.64	U	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.75*	U	*0.38*	U	*0.75*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.56	U	0.28	U	0.56	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*1*	U	*0.5*	U	*1*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	20		1.3		12		0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.68	U	0.34	U	0.68	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	4		0.33	U	2.5		0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.62	U	0.31	U	0.62	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.53	U	0.26	U	0.53	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	**3.7**		0.47	J	**3.6**		0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**10**		**5**		**3.5**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.71	U	0.35	U	0.71	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.6	U	0.3	U	0.6	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	2.3	U	1.1	U	2.3	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.67	U	0.34	U	0.67	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	1.6	U	0.79	U	1.6	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.43	U	0.22	U	0.43	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	2.6	U	1.3	U	2.6	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	1.4	U	0.71	U	1.4	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.63	U	0.32	U	0.63	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.83	U	0.42	U	0.83	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.73	U	0.37	U	0.73	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**500**		0.46	J	**660**		**15**		**36**		0.25	U
Toluene	*108-88-3*	*600*	0.76	U	0.38	U	0.76	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	2.8		1.1		1.4	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.45	U	0.22	U	0.45	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.62	U	0.31	U	0.62	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.71	U	0.36	U	0.71	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.48	U	0.24	U	0.48	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.41	U	0.2	U	0.41	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**610**		0.31	U	**360**		**1.7**		0.92	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.64	U	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.73	U	0.37	U	0.73	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	**3.1**		**62**		**1.6**	J	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.59	U	0.3	U	0.59	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.72	U	0.36	U	0.72	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	1.3	U	0.65	U	1.3	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	23	JN	ND	U	5.5	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:	MW-206C_PDB76.75		MW-207A_PDB6.75		MW-207B_PDB44.75		MW-207C_PDB61.75		MW-209A_PDB14.75		MW-209B_PDB36.75	
Date Sampled:	10/19/2020		10/15/2020		10/15/2020		10/15/2020		10/16/2020		10/16/2020	
LAB Sample ID:	460221083-1-36		460221015-1-9		460221015-1-11		460221015-1-13		460221016-1-22		460221016-1-24	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	60		150		110		110		55		56	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	3.3	J	3	J	1.9	U	3.9	J	3.8	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.7	J	0.53	J	0.98	J	0.38	J	0.33	U	1.4	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.24	J	0.22	U	0.39	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.56	J	0.26	U	1.4	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.68	J	0.26	U	**2.4**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.49	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.29	J
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.96	J	0.31	U	**1.1**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	28	JN	24	JN	21	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			MW-213B_PDB46.75		MW-213C_PDB76.75		MW-214A_PDB23.25		MW-214B_PDB41.75		MW-214C_PDB66.75		MW-215C_PDB76.75				
Date Sampled:			10/16/2020		10/16/2020		10/16/2020		10/16/2020		10/16/2020		10/15/2020				
LAB Sample ID:			460221016-1-8		460221016-1-10		460221016-1-12		460221016-1-14		460221016-1-16		460221015-1-89				
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison				
Parameter (ug/l)	***CAS No.***	***GWQS***															
Acetone	*67-64-1*	*6000*	150		98		68		62		62		140				
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U			
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U			
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U			
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U			
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U			
2-Butanone (MEK)	*78-93-3*	*300*	3.4	J	3.3	J	3.6	J	4.2	J	5.2		3.5	J			
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U			
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U			
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U			
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U			
Chloroform	*67-66-3*	*70*	0.7	J	0.64	J	0.33	U	0.66	J	0.89	J	1.2				
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U			
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	4.3		4.4		0.22	U			
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U			
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U			
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U			
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U			
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U			
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U			
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U			
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U			
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U			
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.68	J	21		22		0.26	U			
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U			
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.45	J	**27**		**34**		0.26	U			
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U			
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND				
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U			
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U			
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U			
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U			
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U			
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U			
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U			
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U			
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U			
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U			
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	1		**2.6**		0.25	U			
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U			
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U			
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U			
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U			
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U			
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	3.2		4.5		0.24	U			
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U			
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**3.2**		**4**		0.31	U			
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U			
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U			
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U			
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U			
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U			
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U			
Total VOC TIC	*SRP170*	*500*	19	JN	16	JN	ND	U	ND	U	ND	U	26	JN			

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	MW-216C_PDB71.75			MW-222_PDB71.75			222C_PDB253.75			225B_PDB36.75			230C_PDB66.75			236B_PDB34.75					
		Date Sampled:	10/16/2020			10/16/2020			10/16/2020			10/19/2020			10/19/2020			10/16/2020					
		LAB Sample ID:	460221016-1-40			460221016-1-30			460221016-1-32			460221083-1-74			460221083-1-16			460221016-1-18					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	140			59			57			75			51			120					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		1	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		2.1	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		*1.7*	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		2.7	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		2.8	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		4.9	J		4.2	J		9.3	U		5.8			3	J				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		4.1	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		**58**			0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		2.8	J		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		1.6	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	1.3			5			0.33	U		5.5			0.79	J		1.3					
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		2	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	8			0.22	U		0.22	U		**120**			8.7			0.22	U				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		1.1	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		1.6	U		0.59	J		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*1.9*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		*1.4*	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*2.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		2.1	J		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		1.7	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		1.7	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		1.6	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		1.3	U		42			0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		*2.2*	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		***1.9***	J		**51**			0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		*1.8*	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		1.5	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		5.7	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		1.7	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		3.9	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		1.1	U		0.55	J		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		6.5	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		3.5	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		1.6	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		2.1	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		*1.8*	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	**67**			0.8	J		0.25	U		***1000***			0.71	J		0.25	U				
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		1.9	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		1.2	J		0.24	J		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		1.1	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		1.6	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		1.8	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		1.2	U		6.9			0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		1	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	**4**			0.31	U		0.31	U		***89***			**3.6**			0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		1.6	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		1.8	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		**1.6**	J		0.29	J		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		1.5	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		1.8	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		3.3	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	13	JN		ND	U		ND	U		ND	U		ND	U		20	JN				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:		MW-236C_PDB54.75		MW-237A_PDB27.5		237C_PDB111.75		238C_PDB76.75		MW-257A_PDB27.0		257B_PDB46.75	
			Date Sampled:		10/16/2020		10/13/2020		10/13/2020		10/20/2020		10/16/2020		10/16/2020	
			LAB Sample ID:		460221016-1-20		460220764-1-8		460220764-1-4		460221083-1-86		460221016-1-52		460221016-1-54	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	58		4.4	U	33		22		100		21	
Benzene	*71-43-2*	*1*	0.2	U	**13**		0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.2	J	1.9	U	1.9	U	1.9	U	5		4.2	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.42	J	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.1		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	5.7		0.22	U	40	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	91		0.4	J	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.43	U	0.43	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	2.3		0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.7	J	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**1.5**		0.26	U	0.26	U	0.26	U	0.26	U	0.65	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	120		0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	**41**		1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	61		0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.47	U	0.47	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	11		1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	100		0.26	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.59	J	0.25	U	**220**	
Toluene	*108-88-3*	*600*	0.38	U	5.1		0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.35	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.49	U	0.49	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.43	U	0.43	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.49	J	0.31	U	0.31	U	0.7	J	0.31	U	**11**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.28	J
m,p-Xylene	*179601-23-1*	*--*	0.3	U	81		0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	6.2		0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	87.2		0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	**2920**	JN	ND	U	ND	U	13	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
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J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:		MW-258C_PDB106.75		MW-259BR_PDB37.5		MW-259BR_PDB42.5		MW-260C_PDB62.0		MW-260-S3_PDB121.8	
			Date Sampled:	10/16/2020		10/16/2020		11/13/2020		11/13/2020		10/13/2020		10/13/2020	
			LAB Sample ID:	460221016-1-36		460221016-1-38		460222839-1-6		460222839-1-8		460220764-1-56		460220764-1-58	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*	61		84		59		24		96		98	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	4.8	J	4.4	J	5.4		2.2	J	1.9	U	5.3	
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.69	J	0.73	J	5.4		2.5	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	1		1		**1.4**		0.25	U	**11**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	13	JN	ND	U	ND	U	13	JN	29	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			MW-265B_PDB41.75		MW-265C_PDB91.8		MW-266A_PDB34.75		MW-266B_PDB61.95		MW-266C_PDB86.85		MW-267A_PDB47.75	
Date Sampled:			10/13/2020		10/13/2020		10/14/2020		10/14/2020		10/14/2020		10/16/2020	
LAB Sample ID:			460220764-1-12		460220764-1-14		460220919-1-53		460220919-1-59		460220919-1-51		460221016-1-4	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	42		68		77		100		110		54	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.3	J	4.2	J	3.1	J	3.5	J	3.3	J	4.9	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.63	J	0.33	U	0.33	U	0.33	U	0.37	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	2.1		0.84	J	0.22	U	3.8		7.4		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.43	U	0.43	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	32		**77**		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.52	J	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**1.4**		0.26	U	**5.5**		**3.7**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.47	U	0.47	U	0.22	U	2.5		2.3		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.26	U	0.26	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**7.3**		**34**		0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.49	U	0.49	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	1.9		2.7		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.43	U	0.43	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.73	J	0.74	J	0.31	U	0.31	U	0.31	U	**1.4**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	**14**		**35**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	24	JN	ND	U	22	JN	21	JN	18	JN	5	J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			MW-267B_PDB96.75		MW-269A_PDB55.0		269C_PDB121.8		MW-270A_PDB59.5		MW-271A_PDB56.8		MW-271B_PDB91.8	
Date Sampled:			10/16/2020		10/14/2020		10/14/2020		10/13/2020		10/13/2020		10/13/2020	
LAB Sample ID:			460221016-1-6		460220919-1-31		460220919-1-33		460220764-1-62		460220764-1-38		460220764-1-40	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	110		100		140		130		68		91	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.3	J	3.8	J	2.7	J	1.9	U	3.9	J	4.1	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.71	J	0.52	J	0.33	U	0.33	U	0.92	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.57	J	0.56	J	0.32	U	0.44	J	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.47	U	0.47	U	0.47	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.26	U	0.26	U	0.26	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**1.7**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.49	U	0.49	U	0.49	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.43	U	0.43	U	0.43	U
Trichloroethene	*79-01-6*	*1*	0.59	J	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	12	JN	11	JN	11	JN	8.4	JN	15	JN	25	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			MW-271C_PDB126.8		MW-273B_PDB41.8		MW-273C_PDB92.80		MW-274A_PDB11.8		MW-274B_PDB56.80		MW-274C_PDB91.8	
Date Sampled:			10/13/2020		10/19/2020		10/19/2020		10/19/2020		10/19/2020		10/19/2020	
LAB Sample ID:			460220764-1-42		460221083-1-12		460221083-1-14		460221083-1-44		460221083-1-46		460221083-1-48	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	87		63		53		62		91		73	
Benzene	*71-43-2*	*1*	1	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	2.1	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	*1.7*	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	2.7	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	2.8	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	9.3	U	1.9	U	4.5	J	12		3.7	J	3.1	J
Carbon Disulfide	*75-15-0*	*700*	4.1	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	1	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.9	J	0.59	J	0.63	J	0.6	J	0.6	J	0.37	J
Chloromethane	*74-87-3*	*100*	2	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.1	U	1.4		0.22	U	0.22	U	0.55	J	0.42	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	1.6	U	0.35	J	0.47	J	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*1.9*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	*1.4*	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*2.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	2.2	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	1.7	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	1.6	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1.3	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	*2.2*	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	*1.3*	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	*1.8*	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	1.5	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	5.7	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	3.9	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	2.3	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	6.5	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	1.3	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	2.1	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	*1.8*	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	***1200***		**2.2**		**3.3**		**21**		**1.6**		0.94	J
Toluene	*108-88-3*	*600*	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	2.4	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	1.6	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	1.8	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.2	U	0.24	U	0.24	U	0.95	J	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	2.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	***2.2***	J	0.72	J	0.65	J	0.31	U	0.48	J	0.51	J
Trichlorofluoromethane	*75-69-4*	*2000*	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	1.8	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.86	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	1.5	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	1.8	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	3.3	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	17	JN	20	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-275B_PDB36.8		MW-276A_PDB26.8		MW-276C_PDB86.8		MW-288B_PDB41.8		MW-295A_PDB17.5		MW-295C_PDB80.0	
	Date Sampled:	10/15/2020		10/14/2020		10/14/2020		10/20/2020		10/19/2020		10/19/2020	
	LAB Sample ID:	460221015-1-25		460220919-1-22		460220919-1-20		460221083-1-88		460221083-1-50		460221083-1-52	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	130		120		110		22		27		22	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.61	J	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.86	J	0.48	J	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.9		0.22	U	0.22	U	8.6		0.39	J	15	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	12		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**16**		0.26	U	0.26	U	0.59	J	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.52	J	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2.5**		0.25	U	0.25	U	**100**		0.25	U	**43**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.6		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**9.3**		0.31	U	0.31	U	**3.8**		0.31	U	**2.9**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	34	JN	17	JN	11	JN	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-304A_PDB17.5		MW-347B_PDB46.8		MW-348B_PDB51.8		MW-349B_PDB41.8		MW-349C_PDB91.8		MW-351C_PDB61.8	
	Date Sampled:	10/14/2020		10/15/2020		10/15/2020		10/15/2020		10/15/2020		10/19/2020	
	LAB Sample ID:	460220919-1-8		460221015-1-15		460221015-1-17		460221015-1-21		460221015-1-23		460221083-1-72	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	96		100		63		57		99		88	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	2.5	J	3.6	J	2.8	J	4	J	4.4	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	J	0.26	J	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.85	J	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.78	J	0.79	J	0.58	J	4.4		0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	7.1		1.6		1.6		2		3.5		1.8	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	6.7		6.5		8.6		14		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**8.5**		**8.2**		**9**		**12**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.6	J	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**12**		**2.5**		0.78	J	**2.1**		0.38	J	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	1.3		1.6		0.83	J	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**1.5**		**3.4**		**3.4**		**3.9**		**5.2**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.36	J	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	9.9	JN	20	JN	5.9	JN	ND	U	5.4	J	11	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-353A_PDB49.25		MW-353B_PDB76.3		353C_PDB124.25		366B_PDB41.80		373B_PDB73.75		373C_PDB114.75	
	Date Sampled:	10/15/2020		10/15/2020		10/15/2020		10/20/2020		10/20/2020		10/20/2020	
	LAB Sample ID:	460221015-1-45		460221015-1-47		460221015-1-49		460221083-1-126		460221083-1-118		460221083-1-120	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	24		25		20		20		66		87	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	3.2	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.6		1.4		2.1		0.89	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	2		0.5	J	1	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.52	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**330**	D	**140**		**320**		**11**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**1.8**		**1.4**		1		1	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.5	J	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	18	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			MW-377C_PDB109.8		MW-380A_PDB13.75		MW-416A_PDB34.8		MW-416B_PDB49.25 (A)		MW-416B_PDB49.25 (B)		MW-416C_PDB105.0	
Date Sampled:			10/20/2020		10/19/2020		10/14/2020		10/14/2020		10/14/2020		10/14/2020	
LAB Sample ID:			460221083-1-114		460221083-1-58		460220919-1-63		460220919-1-65		460220919-1-66		460220919-1-69	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	62		79		22		20		18		20	
Benzene	*71-43-2*	*1*	0.41	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.82	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.69	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	1.1	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	1.1	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.7	U	6.4		1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	1.6	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.42	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.75	U	0.38	U	0.67	J	0.38	U	0.38	U	38	
Chloroethane	*75-00-3*	*100*	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U	0.93	J
Chloroform	*67-66-3*	*70*	1.4	J	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.8	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.85	J	0.95	J	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.44	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.75*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.56	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*1*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.42	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.68	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.67	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.53	U	0.26	U	1.4		1.4		1.4		0.52	J
1,2-Dichloroethane	*107-06-2*	*2*	0.86	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.53	U	0.26	U	0.26	U	0.35	J	0.28	J	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.71	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.6	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	2.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.67	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	1.6	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.43	U	0.22	U	0.22	U	1.1		1.1		1.1	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	2.6	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	1.4	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.63	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.83	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.73	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**660**		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.76	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.47	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.45	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.71	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.48	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.41	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**1.8**	J	0.37	J	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.73	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.34	U	0.17	U	0.56	J	0.41	J	0.41	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.59	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.72	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	1.3	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	11	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
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Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:		MW-457C1_PDB75.0		MW-483B_PDB57.5		MW-483C_PDB72.5		MW-495B_PDB45.5		MW-503C_PDB70.0	
			Date Sampled:	10/20/2020		10/20/2020		10/15/2020		10/15/2020		10/20/2020		10/20/2020	
			LAB Sample ID:	460221083-1-134		460221083-1-132		460221015-1-7		460221015-1-5		460221083-1-106		460221083-1-108	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*	22		22		110		100		50		68	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	3.8	J	2.9	J	4.8	J	6.7	
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.32	J	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.3		0.33	U	0.33	U	0.77	J	0.33	U	0.69	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	4.3		8.9		0.22	U	2.5		2.2		14	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	9.2		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**11**		0.26	U	0.27	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**190**		**86**		0.25	U	**1.2**		0.25	U	**180**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.34	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	2.4		0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**2.8**		**2.9**		0.41	J	**5.1**		0.31	U	**5.3**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.2	J	0.17	U	0.17	U	**1.8**		0.24	J
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	22	JN	21	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Attachment 1

1,4-Dioxane in Groundwater – 4Q 2020

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	66RI-MW4_RPPS7.0	131RI-MW1_RPPS7.8	138RI-MW1R_RPPS24.5	138RI-MW1R_RPPS292.5	DW-B_RPPS132.75	DW-2-D2_RPPS276.8
		Date Sampled:	10/19/2020	10/19/2020	11/13/2020	11/13/2020	10/13/2020	10/13/2020
		LAB Sample ID:	460221083-1-19	460221083-1-21	460222839-1-3	460222839-1-5	460220764-1-47	460220764-1-45
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**0.76**	0.33 U	**0.78**	**0.63**	0.33 U	0.4

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-3B_RPPS113.75		DW-3-D2_RPPS286.84		DW-C_RPPS138.754	DW-D_RPPS446.756		DW-B_RPPS111.756		DW-C_RPPS287.75
		Date Sampled:	10/14/2020		10/14/2020		10/16/2020	10/16/2020		10/20/2020		10/20/2020
		LAB Sample ID:	460220919-1-44		460220919-1-46		460221016-1-43	460221016-1-45		460221083-1-93		460221083-1-95
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**0.9**	0.33	U	0.33	U	**1.3**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
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J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-6D_RPPS494.756 (A)		DW-6D_RPPS494.75 (B)		DW-7A_RPPS123.87		DW-B_RPPS171.757		DW-C_RPPS341.757	DW-D_RPPS426.75
		Date Sampled:	10/20/2020		10/20/2020		10/15/2020		10/15/2020		10/15/2020	10/15/2020
		LAB Sample ID:	460221083-1-98		460221083-1-99		460221015-1-58		460221015-1-54		460221015-1-52	460221015-1-56
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**0.92**		**0.81**		0.33	U	0.33	U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	DW-8A_RPPS117.75		DW-8B_RPPS188.75		DW-8C_RPPS303.75		DW-9A_RPPS91.75		DW-11B_RPPS96.75		DW-11D_RPPS446.75	
	Date Sampled:	10/13/2020		10/13/2020		10/13/2020		10/20/2020		10/15/2020		10/15/2020	
	LAB Sample ID:	460220764-1-17		460220764-1-19		460220764-1-21		460221083-1-103		460221015-1-86		460221015-1-88	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.37	J	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	DW-12A_RPPS130.715	DW-12B_RPPS182.715	DW-12CR_RPPS516.8	DW-13-D2_RPPS241.8	DW-16A_RPPS215.5	DW-16B_RPPS293.75
			Date Sampled:	10/19/2020	10/19/2020	10/19/2020	10/15/2020	10/19/2020	10/19/2020
			LAB Sample ID:	460221083-1-67	460221083-1-63	460221083-1-65	460221015-1-20	460221083-1-39	460221083-1-41
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**18**		**12**		**1.9**		**6.3**		**23**		**1.1**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-16C_RPPS4345		DW-16.7C_RPPS1165		DW-24_RPPS171.75		DW-27B_RPPS2915		DW-27C_RPPS421.8 (A)		DW-27C_RPPS421.8 (B)	
		Date Sampled:	10/19/2020		10/15/2020		10/16/2020		10/19/2020		10/19/2020		10/19/2020	
		LAB Sample ID:	460221083-1-43		460221015-1-68		460221016-1-35		460221083-1-29		460221083-1-32		460221083-1-33	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**1**		0.33	U	0.33	U	**6.3**		**1.7**		**1.5**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	DW-28A_RPPS180.5		DW-28B_RPPS307.5		DW-29B_RPPS286.5		DW-29C_RPPS438.5 (A)		DW-29C_RPPS438.5 (B)		DW-30B_RPPS256.5	
		Date Sampled:	10/13/2020		10/13/2020		10/13/2020		10/13/2020		10/13/2020		10/13/2020	
		LAB Sample ID:	460220764-1-35		460220764-1-37		460220764-1-23		460220764-1-26		460220764-1-27		460220764-1-11	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.36	J	0.33	U	0.33	U	0.37	J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
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J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	DW-31C_RPPS436.5	DW-832A_RPPS155.732B_RPPS297.733A_RPPS151.833B_RPPS275.833C_RPPS416.8 (A)				
			Date Sampled:	10/13/2020	10/14/2020	10/14/2020	10/19/2020	10/19/2020	10/19/2020
			LAB Sample ID:	460220764-1-7	460220919-1-58	460220919-1-56	460221083-1-5	460221083-1-7	460221083-1-10
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**7.7**		**36**		**6.6**		**5.8**		**8.9**		**3.5**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	DW-33C_RPPS416.834B_RPPS286.737B_RPPS296.838A_RPPS177.838B_RPPS248.839B_RPPS292.8 (B) 5					
	Date Sampled:	10/19/2020	10/16/2020	10/13/2020	10/14/2020	10/14/2020	10/14/2020
	LAB Sample ID:	460221083-1-11	460221016-1-3	460220764-1-61	460220919-1-38	460220919-1-36	460220919-1-15
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**4.5**	**44**	**0.46**	0.33 U	**2.2**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
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MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			DW-39C_RPPS492.839 (A)		DW-39C_RPPS492.840 (B)		DW-40A_RPPS138.840		DW-40B_RPPS246.840		DW-40C_RPPS396.840 (A)		DW-40C_RPPS396.8 (B)			
Date Sampled:			10/14/2020		10/14/2020		10/15/2020		10/15/2020		10/15/2020		10/15/2020			
LAB Sample ID:			460220919-1-18		460220919-1-19		460221015-1-28		460221015-1-30		460221015-1-33		460221015-1-34			
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison			
Parameter (ug/l)	***CAS No.***	***GWQS***															
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	**1.4**		**9.4**		**11**				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	DW-41C_RPPS426.8	DW-45A_RPPS121.8	DW-52A_RPPS126.8	DW-58A_RPPS216.8	DW-64A_RPPS236.8	DW-65-73-S2
	Date Sampled:	10/20/2020	10/20/2020	10/20/2020	10/20/2020	10/15/2020	10/12/2020
	LAB Sample ID:	460221083-1-101	460221083-1-105	460221083-1-125	460221083-1-117	460221015-1-44	460220864-1-12
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.94**	**1.6**	**0.95**	0.33 U	0.33 U	**19**

GWQS = NJDEP's Ground Water Quality Standard
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MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	DW-65-91-S3(A)	DW-65-91-S3(B)	DW-65-119-S3	DW-65-145-D1	DW-65-154-D1	DW-65-176-D1
			Date Sampled:	10/12/2020	10/12/2020	10/12/2020	10/12/2020	10/12/2020	10/12/2020
			LAB Sample ID:	460220864-1-11	460220864-1-27	460220864-1-10	460220864-1-9	460220864-1-8	460220864-1-7
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*		**26**	**24**	***200***	***140***	***79***	**38**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	DW-65-185-D1	DW-65-199-D1	DW-65-211-D1	DW-65-221-D1	DW-65-262-D2	DW-65-350-D2
			Date Sampled:	10/12/2020	10/12/2020	10/12/2020	10/12/2020	10/12/2020	10/12/2020
			LAB Sample ID:	460220864-1-6	460220864-1-5	460220864-1-4	460220864-1-3	460220864-1-2	460220864-1-1
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*		***71***		***84***		***81***		***80***		**7.5**		**35**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			DW-67B_RPPS269.568		A_RPPS202.5		DW-70-83-S3		DW-70-114-S3		DW-70-123-D1	DW-70-150-D1
Date Sampled:			10/19/2020		10/19/2020		10/12/2020		10/12/2020		10/12/2020	10/12/2020
LAB Sample ID:			460221083-1-69		460221083-1-61		460220864-1-19		460220864-1-18		460220864-1-17	460220864-1-16
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**6.6**		**4.5**		**9.6**		**20**		**31**	**10**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	DW-70-174-D1		DW-70-205-D1		DW-70-261-D2		DW-72-120-S3		DW-72-146-S3		DW-72-167-D1	
			Date Sampled:	10/12/2020		10/12/2020		10/12/2020		10/12/2020		10/12/2020		10/12/2020	
			LAB Sample ID:	460220864-1-15		460220864-1-14		460220864-1-13		460220864-1-26		460220864-1-25		460220864-1-24	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*		**11**		**1.3**		**34**		0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	DW-72-176-D1		DW-72-217-D1		DW-72-237-D1		DW-72-316-D2		IW-157C2_RPPS95.0		IW-168B_RPPS43.5	
	Date Sampled:	10/12/2020		10/12/2020		10/12/2020		10/12/2020		10/20/2020		10/20/2020	
	LAB Sample ID:	460220864-1-23		460220864-1-22		460220864-1-21		460220864-1-20		460221083-1-131		460221083-1-81	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.39	J	**0.42**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	IW-168C1_RPPS68.5		IW-168C2_RPPS87.5		MW-1G_RPPS10.75	MW-2G_RPPS10.75		MW-15A_RPPS12.0		MW-16_RPPS10.5
		Date Sampled:	10/20/2020		10/20/2020		10/15/2020	10/15/2020		10/20/2020		10/14/2020
		LAB Sample ID:	460221083-1-83		460221083-1-85		460221015-1-40	460221015-1-42		460221083-1-111		460220919-1-62
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**0.59**		**1.5**		**22**	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	MW-24_RPPS32.0		MW-43_RPPS21.85		MW-44_RPPS16.044B_RPPS41.7544C_RPPS76.75		MW-46_RPPS58.75 (A)			
		Date Sampled:	10/19/2020		10/15/2020		10/19/2020		10/19/2020		10/19/2020		10/14/2020	
		LAB Sample ID:	460221083-1-55		460221015-1-4		460221083-1-23		460221083-1-25		460221083-1-27		460220919-1-41	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	MW-46_RPPS58.75 (B)	MW-58_RPPS33.75	MW-80C_RPPS18.0	MW-102_RPPS11.10	MW-104B_RPPS30.1	MW-105A_RPPS7.9
			Date Sampled:	10/14/2020	10/13/2020	10/19/2020	10/20/2020	10/14/2020	10/16/2020
			LAB Sample ID:	460220919-1-42	460220764-1-3	460221083-1-57	460221083-1-129	460220919-1-30	460221016-1-27
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	MW-105B_RPPS36.0		MW-106A_RPPS9.4		106B_RPPS31.2		112A_RPPS6.80		MW-114_RPPS75.4	114A_RPPS71.8
		Date Sampled:	10/16/2020		10/14/2020		10/14/2020		10/15/2020		10/13/2020	10/13/2020
		LAB Sample ID:	460221016-1-29		460220919-1-13		460220919-1-11		460221015-1-84		460220764-1-51	460220764-1-49
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**0.79**		**36**		0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	MW-117_RPPS71.25 (A)	MW-117_RPPS71.25 (B)	MW-120_RPPS76.75 (A)	MW-120_RPPS76.75 (B)	MW-124A_RPPS23.0	MW-124B_RPPS25.75
			Date Sampled:	10/19/2020	10/19/2020	10/14/2020	10/14/2020	10/15/2020	10/15/2020
			LAB Sample ID:	460221083-1-78	460221083-1-79	460220919-1-49	460220919-1-50	460221015-1-80	460221015-1-82
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

		Sample No.:	MW-126_RPPS8.5		MW-126B_RPPS41.8		MW-131_RPPS14.45		MW-131B_RPPS33.8		MW-131C_RPPS76.8		MW-143_RPPS18.65	
		Date Sampled:	10/15/2020		10/15/2020		10/15/2020		10/15/2020		10/15/2020		10/14/2020	
		LAB Sample ID:	460221015-1-36		460221015-1-38		460221015-1-70		460221015-1-72		460221015-1-74		460220919-1-27	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**3.1**		***130***		0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-143B_RPPS4	6.8	MW-143C_RPPS7	6.8	MW-145A_RPPS2	4.3	MW-146A_RPPS2	3.3	MW-146B_RPPS5	3.7	MW-146C_RPPS6	6.7
	Date Sampled:	10/14/2020		10/14/2020		10/19/2020		10/16/2020		10/16/2020		10/16/2020	
	LAB Sample ID:	460220919-1-25		460220919-1-29		460221083-1-3		460221016-1-51		460221016-1-47		460221016-1-49	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	**0.5**		0.36	J	0.33	U	**0.47**		0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-148A_RPPS24.35	MW-148B_RPPS44.85	MW-171A_RPPS26.75	MW-171B_RPPS46.75	MW-171C_RPPS66.75	MW-172_RPPS37.0
	Date Sampled:	10/15/2020	10/15/2020	10/14/2020	10/14/2020	10/14/2020	10/20/2020
	LAB Sample ID:	460221015-1-76	460221015-1-78	460220919-1-5	460220919-1-7	460220919-1-3	460221083-1-123
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	**1.3**	**1.1**	**1.3**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-174_RPPS34.0		MW-201_RPPS28.75		MW-201A_RPPS21.75		MW-201B_RPPS41.8		MW-201C_RPPS92.8		MW-204C_RPPS61.75	
	Date Sampled:	10/19/2020		10/15/2020		10/15/2020		10/15/2020		10/15/2020		10/20/2020	
	LAB Sample ID:	460221083-1-71		460221015-1-66		460221015-1-64		460221015-1-60		460221015-1-62		460221083-1-91	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.36	J	0.33	U	0.33	U	0.33	U	0.33	U	**0.56**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-206B_RPPS46.75	MW-206C_RPPS76.75	MW-207A_RPPS6.75	MW-207B_RPPS44.75	MW-207C_RPPS61.75	MW-209A_RPPS14.75
	Date Sampled:	10/19/2020	10/19/2020	10/15/2020	10/15/2020	10/15/2020	10/16/2020
	LAB Sample ID:	460221083-1-35	460221083-1-37	460221015-1-10	460221015-1-12	460221015-1-14	460221016-1-23
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	**0.41**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	MW-209B_RPPS36.7215	MW-213B_RPPS46.7215	MW-213C_RPPS76.7215	MW-214A_RPPS23.2215	MW-214B_RPPS41.7215	MW-214C_RPPS66.715
			Date Sampled:	10/16/2020	10/16/2020	10/16/2020	10/16/2020	10/16/2020	10/16/2020
			LAB Sample ID:	460221016-1-25	460221016-1-9	460221016-1-11	460221016-1-13	460221016-1-15	460221016-1-17
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**0.87**		0.33 U	0.33 U	0.33 U	**3.9**	**3.8**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-215C_RPPS6.7216C_RPPS6.75	MW-71.75	MW-222_RPPS71.75	MW-222C_RPPS253.75	MW-225B_RPPS36.75	MW-230C_RPPS66.75
	Date Sampled:	10/15/2020	10/16/2020	10/16/2020	10/16/2020	10/19/2020	10/19/2020
	LAB Sample ID:	460221015-1-90	460221016-1-41	460221016-1-31	460221016-1-33	460221083-1-75	460221083-1-17
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.85**	0.33 U	**0.46**	0.33 U	**5**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-236B_RPPS34.75	MW-236C_RPPS54.75	MW-237A_RPPS27.5	MW-237C_RPPS111.75	MW-238C_RPPS76.75	MW-257A_RPPS27.0
	Date Sampled:	10/16/2020	10/16/2020	10/13/2020	10/13/2020	10/20/2020	10/16/2020
	LAB Sample ID:	460221016-1-19	460221016-1-21	460220764-1-9	460220764-1-5	460221083-1-87	460221016-1-53
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.49**	**0.71**	**14**	**1.2**	**0.85**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

			Sample No.:	MW-257B_RPPS46.75	MW-258B_RPPS80.75	MW-258C_RPPS106.75	MW-259BR_RPPS37.5	MW-259BR_RPPS42.5	MW-260C_RPPS62.0
			Date Sampled:	10/16/2020	10/16/2020	10/16/2020	11/13/2020	11/13/2020	10/13/2020
			LAB Sample ID:	460221016-1-55	460221016-1-37	460221016-1-39	460222839-1-7	460222839-1-9	460220764-1-57
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**1.5**		0.33 U	**0.5**	0.33 U	0.33 U	0.38 J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-260-S3_RPPS121.8265B_RPPS5	MW-41.7265C_RPPS91.8266A_RPPS5	MW-34.7266B_RPPS5	MW-61.9266C_RPPS86.85
	Date Sampled:	10/13/2020	10/13/2020	10/13/2020	10/14/2020	10/14/2020	10/14/2020
	LAB Sample ID:	460220764-1-59	460220764-1-13	460220764-1-15	460220919-1-54	460220919-1-60	460220919-1-52
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**1.3**		0.33	U	**3.6**		**21**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-267A_RPPS47.75		MW-267B_RPPS96.75		MW-269A_RPPS55.0		MW-269C_RPPS121.8		MW-270A_RPPS59.5		MW-271A_RPPS56.8	
	Date Sampled:	10/16/2020		10/16/2020		10/14/2020		10/14/2020		10/13/2020		10/13/2020	
	LAB Sample ID:	460221016-1-5		460221016-1-7		460220919-1-32		460220919-1-34		460220764-1-63		460220764-1-39	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	**0.59**		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-271B_RPPS_91.8	MW-271C_RPPS_126.8	MW-273B_RPPS_41.8	MW-273C_RPPS_92.8	MW-274A_RPPS_11.8	MW-274B_RPPS_56.8
	Date Sampled:	10/13/2020	10/13/2020	10/19/2020	10/19/2020	10/19/2020	10/19/2020
	LAB Sample ID:	460220764-1-41	460220764-1-43	460221083-1-13	460221083-1-15	460221083-1-45	460221083-1-47
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.37 J	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	**0.7**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:			MW-274C_RPPS_9	1.8		MW-275B_RPPS_3	6.8		MW-276A_RPPS_2	6.8		MW-276C_RPPS_8	6.8	
Date Sampled:			10/19/2020			10/15/2020			10/14/2020			10/14/2020		
LAB Sample ID:			460221083-1-49			460221015-1-26			460220919-1-23			460220919-1-21		
LAB:			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison		
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U		**32**			0.33	U		0.33	U	

Sample No.:			MW-288B_RPPS_4	1.8		MW-295A_RPPS_1	7.5							
Date Sampled:			10/20/2020			10/19/2020								
LAB Sample ID:			460221083-1-89			460221083-1-51								
LAB:			Eurofins TA, Edison			Eurofins TA, Edison								
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**0.55**			0.33	U							

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-295C_RPPS80.0	MW-304A_RPPS17.5	MW-347B_RPPS46.8	MW-348B_RPPS51.8	MW-349B_RPPS41.8	MW-349C_RPPS91.8
	Date Sampled:	10/19/2020	10/14/2020	10/15/2020	10/15/2020	10/15/2020	10/15/2020
	LAB Sample ID:	460221083-1-53	460220919-1-9	460221015-1-16	460221015-1-18	460221015-1-22	460221015-1-24
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.48**	**1.5**	**1.7**	**7.6**	***68***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-351C_RPPS61.85	MW-353A_RPPS49.25	MW-353B_RPPS76.33	MW-353C_RPPS124.36	MW-366B_RPPS41.80	MW-373B_RPPS73.75
	Date Sampled:	10/19/2020	10/15/2020	10/15/2020	10/15/2020	10/20/2020	10/20/2020
	LAB Sample ID:	460221083-1-73	460221015-1-46	460221015-1-48	460221015-1-50	460221083-1-127	460221083-1-119
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.45**	0.33 U	0.35 J	0.33 U	**0.48**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-373C_RPPS114.375-8	MW-A_RPPS50.75-5	MW-B_RPPS69.8375-8	MW-C_RPPS126.376-8	MW-B_RPPS81.0376-8	MW-C_RPPS119.8
	Date Sampled:	10/20/2020	10/13/2020	10/13/2020	10/13/2020	10/13/2020	10/13/2020
	LAB Sample ID:	460221083-1-121	460220764-1-33	460220764-1-31	460220764-1-29	460220764-1-53	460220764-1-55
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-377B_RPPS8	6.8	MW-377C_RPPS109.8	380A_RPPS13.75	416A_RPPS34.8	416B_RPPS49.25(A)	416B_RPPS49.25(B)
	Date Sampled:	10/20/2020		10/20/2020	10/19/2020	10/14/2020	10/14/2020	10/14/2020
	LAB Sample ID:	460221083-1-113		460221083-1-115	460221083-1-59	460220919-1-64	460220919-1-67	460220919-1-68
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	**4.2**		**21**		**23**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

	Sample No.:	MW-416C_RPPS105.450	MW-C2_RPPS97.45	MW-C1_RPPS75.480	MW-3B_RPPS57.548	MW-3C_RPPS72.549	MW-5B_RPPS45.5
	Date Sampled:	10/14/2020	10/20/2020	10/20/2020	10/15/2020	10/15/2020	10/20/2020
	LAB Sample ID:	460220919-1-70	460221083-1-135	460221083-1-133	460221015-1-8	460221015-1-6	460221083-1-107
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	***250***		0.33	U	**0.64**		0.33	U	**1.9**		**0.92**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
4Q 2020

Sample No.:	MW-503C_RPPS70.0
Date Sampled:	10/20/2020
LAB Sample ID:	460221083-1-109
LAB:	Eurofins TA, Edison

Parameter (ug/l)	CAS No.	GWQS		
1,4-Dioxane	*123-91-1*	*0.4*	**0.71**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Attachment 1

Volatile Organic Compounds (VOCs) in Groundwater – 1Q 2021 and 3Q 2021

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	66RI-MW4_PDB16.5		131RI-MW1_PDB16.5		138RI-MW1R_PDB24.5		187RI-MW2_PDB8.7		ART-MW-6BR_PDB40.0		DW-2B_PDB132.75	
	Date Sampled:	3/22/2021		3/22/2021		3/25/2021		3/25/2021		4/7/2021		3/25/2021	
	LAB Sample ID:	460230909-1-2		460230909-1-4		460230959-1-30		460230959-1-80		460231797-1-45		460230959-1-16	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	28		13		8.3		14		8.1		27	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	**14**		0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.65	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.2		0.22	U	0.98	J	0.22	U	0.22	U	0.22	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	1.3		0.77	J	1	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	5.3		0.41	J	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**8.7**		0.26	U	0.79	J	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.36	J	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.33	J	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.63	J	0.25	U	**7**		0.25	U	0.25	U	**1.2**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.1		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.83	J	0.31	U	**2.3**		0.31	U	0.31	U	**2.4**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	6.9	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-2-D2_PDB276.8			DW-3B_PDB113.75			DW-3-D2_PDB286.8			DW-4C_PDB138.75			DW-4D_PDB446.75			DW-6B_PDB111.75					
		Date Sampled:	3/25/2021			3/29/2021			3/29/2021			4/7/2021			4/7/2021			4/6/2021					
		LAB Sample ID:	460230959-1-12			460231093-1-12			460231093-1-5			460231797-1-24			460231797-1-19			460231802-1-8					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	12			18			6.5			10			19			9.9					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.33	U		0.4	J		0.33	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.7			0.22	U		0.22	U		13			0.22	U		**99**					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		1.2			0.93	J		0.77	J		0.81	J				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.43	J				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U				
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.85	J		0.25	U		0.47	J		**15**			0.25	U		**36**					
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		3.4			0.24	U		0.63	J				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	0.83	J		0.31	U		0.31	U		**3.5**			0.31	U		**18**					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		**1.3**			0.17	U		**11**					
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		8.8	JN		ND	U		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	DW-6C_PDB287.75		DW-6D_PDB494.75		DW-7A_PDB123.8		DW-7B_PDB171.75		DW-7C_PDB341.75		DW-7D_PDB426.75	
	Date Sampled:	4/6/2021		4/6/2021		4/8/2021		4/8/2021		4/8/2021		4/8/2021	
	LAB Sample ID:	460231802-1-14		460231802-1-18		460231790-1-18		460231790-1-20		460231790-1-16		460231790-1-14	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	14		13		10		8.8	U	7.1		7.3	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.41	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.82	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.69	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	1.1	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	1.1	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	2.3	J	3.7	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	1.6	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.42	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.75	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	1.3	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.8	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**86**		3.7		23		2.4		**420**		0.9	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.44	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.83	J	1.1		0.97	J +	0.65	J +	0.92	J +	1	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.75*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.56	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*1*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.42	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.68	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.67	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.53	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.66	J	0.43	U	0.43	U	0.86	U	0.66	J	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.43	J	0.26	U	0.26	U	0.53	U	**1.7**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.71	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.6	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	2.3	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.67	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	1.6	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.43	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	2.6	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	1.4	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.63	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.83	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.67	J	**3.9**		**2.8**		**810**		**20**		**3**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.76	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.64	J	0.24	U	2.5		0.47	U	1.7		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.45	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.71	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.48	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.41	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**1.2**		**1.3**		**1.1**		**2.6**		**74**		0.73	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	**2.9**		0.65	J	**16**		0.34	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.59	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.72	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	1.3	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	5.2	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	DW-8A_PDB117.75		DW-8B_PDB188.75		DW-8C_PDB303.75		DW-9A_PDB91.75		DW-11B_PDB96.75		DW-11D_PDB446.75	
	Date Sampled:	3/23/2021		3/22/2021		3/22/2021		4/6/2021		4/7/2021		4/8/2021	
	LAB Sample ID:	460230909-1-20		460230909-1-18		460230909-1-16		460231802-1-28		460231797-1-16		460231790-1-26	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	9.4		16		44	U	17		28		110	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	*2*	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	4.1	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	*3.4*	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	*5.4*	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	5.5	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	19	U	1.9	U	1.9	U	2.3	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	8.2	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	*2.1*	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	3.8	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	3.2	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.74	J	3.3	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**230**		4.9		**2000**		0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	1.1		0.82	J	3.2	U	0.95	J	0.82	J	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*3.8*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	*2.8*	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	2.1	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	3.4	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	3.3	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	3.1	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	2.6	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	*4.3*	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.51	J	0.26	U	***4.1***	J	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	*3.5*	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	11	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	3.4	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	7.9	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	13	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	7.1	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	*3.2*	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	4.2	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	*3.7*	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.49	J	**220**		***8.2***	J	**5.5**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	3.8	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	1.4		0.24	U	8.9	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	3.1	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	3.6	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	2.4	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**10**		**3.8**		*3.1*	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	3.2	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	3.7	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	*1.7*	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	3.6	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	6.5	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	5.6	J	ND	U	19	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-12A_PDB130.75			DW-12B_PDB182.75			DW-12CR_PDB516.8			DW-13-D2_PDB241.8			DW-16A_PDB216.75			DW-16B_PDB293.75					
		Date Sampled:	4/7/2021			4/7/2021			4/7/2021			3/25/2021			3/25/2021			3/25/2021					
		LAB Sample ID:	460231797-1-33			460231797-1-36			460231797-1-40			460230959-1-94			460230959-1-34			460230959-1-38					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	12			18			11			14			13			13					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	2.3			2.4			0.22	U		0.61	J		1.5			0.44	J				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	1.1			0.32	U		0.69	J		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.46	J		0.64	J		0.26	U		0.38	J		7.1			0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.78	J		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		**1.5**			0.26	U		0.26	U		**6.9**			0.32	J				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U				
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U		**2.2**			0.39	J		0.25	U		0.25	U		0.27	J				
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		1.7			0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	0.41	J		**1.8**			0.31	U		0.31	U		0.37	J		**1.3**					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.32	J		0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-16C_PDB434.75		DW-17C_PDB116.75		DW-24_PDB171.75		DW-27B_PDB291.75		DW-27C_PDB421.8 (A)		DW-27C_PDB421.8 (B)	
		Date Sampled:	3/22/2021		3/29/2021		4/7/2021		3/25/2021		3/25/2021		3/25/2021	
		LAB Sample ID:	460230909-1-10		460231093-1-2		460231797-1-66		460230959-1-58		460230959-1-54		460230959-1-55	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	15		5.5		37		9.4		8.9		8	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.68	J	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.89	J	0.22	U	0.22	U	0.51	J	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	1.1		0.32	U	0.88	J	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	1.8		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.47	J	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.47	J	0.42	J	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	9.9	JN	ND	U	ND	U	10	JN	10	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-28A_PDB180.8			DW-28B_PDB307.8			DW-29B_PDB286.75			DW-29C_PDB438.8			DW-30B_PDB256.75			DW-31C_PDB436.8		
		Date Sampled:	3/25/2021			3/25/2021			3/25/2021			3/25/2021			3/26/2021			3/26/2021		
		LAB Sample ID:	460230959-1-40			460230959-1-36			460230959-1-86			460230959-1-82			460230959-1-122			460230959-1-106		
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison		
Parameter (ug/l)	***CAS No.***	***GWQS***																			
Acetone	*67-64-1*	*6000*	16			11			20			13			7.9			8			
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.46	J		0.2	U		0.2	U	
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U	
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U	
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U	
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U	
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U	
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
Chloroform	*67-66-3*	*70*	0.78	J		0.33	U		0.94	J		0.33	U		0.33	U		0.33	U	
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U	
cis-1,2-Dichloroethene	*156-59-2*	*70*	6.5			5.7			0.22	U		1.8			**160**			0.22	U	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
Cyclohexane	*110-82-7*	*100*	0.32	U		1.1			0.32	U		0.32	U		1			1.5		
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U	
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U	
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U	
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.55	J		0.26	U		0.26	U		0.82	J		0.26	U	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U	
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.37	J		0.3	U		0.3	U		0.3	U		0.3	U	
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U	
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U	
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U	
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	
Tetrachloroethene	*127-18-4*	*1*	**19**			0.6	J		**29**			**3.6**			**3.6**			0.25	U	
Toluene	*108-88-3*	*600*	0.38	U		0.58	J		0.38	U		1.5			5.2			0.38	U	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.61	J		0.24	U		0.24	U		0.96	J		0.24	U	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Trichloroethene	*79-01-6*	*1*	**2.4**			**54**			0.48	J		**4.8**			**8**			0.31	U	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.48	J		0.17	U	
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.45	J		0.3	U		0.3	U		0.3	U		0.3	U	
o-Xylene	*95-47-6*	*--*	0.36	U		0.59	J		0.36	U		0.36	U		0.36	U		0.36	U	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		1.04	J		0.65	U		0.65	U		0.65	U		0.65	U	
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		6.8	JN	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:			DW-32A_PDB155.75		DW-32B_PDB297.75		DW-33A_PDB151.80		DW-33B_PDB275.8		DW-33C_PDB416.8 (A)		DW-33C_PDB416.8 (B)	
Date Sampled:			3/26/2021		3/26/2021		3/25/2021		3/25/2021		3/25/2021		3/25/2021	
LAB Sample ID:			460230959-1-144		460230959-1-140		460230959-1-4		460230959-1-8		460230959-1-18		460230959-1-19	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	13		17		13		10		7.5		8.7	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	1.9		1.7		0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.35	J	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.54	J	1.3		2		1.3		1.3		1.2	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.72	J	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	3		10		50		1.6		3.8		3.7	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.59	J	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**3**		**3.6**		**11**		0.95	J	0.97	J	0.96	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.56	J	1.8		0.57	J	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.33	J	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.41	J	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	2.5		1		0.96	J
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.29	J	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.57	J	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.59	J	0.31	U	0.75	J	**1.1**		0.38	J	0.32	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.87	J	**6.7**		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	7.3	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-34B_PDB286.75			DW-37B_PDB296.8			DW-38A_PDB177.8			DW-38B_PDB248.8			DW-39B_PDB292.8			DW-39C_PDB492.8					
		Date Sampled:	3/26/2021			3/29/2021			3/29/2021			3/29/2021			3/29/2021			3/29/2021					
		LAB Sample ID:	460230959-1-102			460231093-1-42			460231093-1-32			460231093-1-30			460231093-1-48			460231093-1-46					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	17			13			13			5.3			11			9.5					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	2.4	J		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.62	J		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	9.7			0.33	U		0.33	U		1.3			0.33	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	23			0.76	J		0.22	U		1.7			0.22	U		0.22	U				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.92	J		1.2					
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	**100**			0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	1.4			0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	**370**			0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U				
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.39	J		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	**21**			0.26	J		0.66	J		**12**			0.25	U		0.25	U				
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.56	J		0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	5.9			0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	19			0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	1			0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	**53**			**2.6**			**1.4**			**1.5**			0.31	U		0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		5.1	JN		ND	U		5.4	JN		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-40A_PDB138.8			DW-40B_PDB246.8			DW-40C_PDB396.8			DW-41C_PDB426.8			DW-45A_PDB121.8			DW-52A_PDB126.8		
		Date Sampled:	3/26/2021			3/26/2021			3/26/2021			4/6/2021			4/6/2021			4/8/2021		
		LAB Sample ID:	460230959-1-120			460230959-1-118			460230959-1-123			460231802-1-24			460231802-1-39			460231790-1-64		
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison		
Parameter (ug/l)	***CAS No.***	***GWQS***																			
Acetone	*67-64-1*	*6000*	12			12			16			11			16			14		
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U	
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U	
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U	
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U	
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U	
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U	
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U	
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		0.22	U		0.22	U		17			0.94	J		5		
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
Cyclohexane	*110-82-7*	*100*	0.32	U		0.8	J		0.32	U		1.1			1			0.91	J	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U	
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U	
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.31	J		0.26	U	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U	
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U	
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U	
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U	
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U	
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U	
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	
Tetrachloroethene	*127-18-4*	*1*	0.25	U		0.25	U		0.25	U		**1.6**			0.25	U		**1.8**		
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.41	J		1.2			0.4	J		0.38	U	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		1.3			0.38	J	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Trichloroethene	*79-01-6*	*1*	0.31	U		0.31	U		0.31	U		**4.6**			0.31	U		0.31	U	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.68	J		0.78	J		**38**		
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		1			0.3	U		0.3	U	
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.4	J		0.36	U		0.36	U	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		1.4	J		0.65	U		0.65	U	
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		34.6	JN		ND	U		ND	U		5.7	JN	

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MDL = Method Detection Limit
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Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	DW-58A_PDB216.8		DW-64A_PDB236.8		DW-65-73-S2		DW-65-91-S3		DW-65-119-S3		DW-65-145-D1					
			Date Sampled:	4/8/2021		4/8/2021		3/18/2021		3/18/2021		3/18/2021		3/18/2021					
			LAB Sample ID:	460231790-1-46		460231790-1-6		460230456-1-11		460230456-1-10		460230456-1-9		460230456-1-8					
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																	
Acetone	*67-64-1*	*6000*	12		9.4		4.4	U	4.4	U	4.4	U	4.4	U					
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.91	J	**3.5**		0.2	U	0.2	U					
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U					
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U					
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U					
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U					
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U					
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U					
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U					
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U					
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	3.7		2.4		0.32	U	0.32	U					
Chloroform	*67-66-3*	*70*	0.33	U	0.99	J	0.33	U	0.33	U	0.33	U	0.33	U					
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U					
cis-1,2-Dichloroethene	*156-59-2*	*70*	11		0.22	U	0.83	J	0.37	J	0.22	U	0.22	U					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U					
Cyclohexane	*110-82-7*	*100*	0.79	J	0.75	J +	0.32	U	0.32	U	0.32	U	0.32	U					
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U					
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U					
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U					
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U					
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U					
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U					
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U					
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	3.2		3.4		0.26	U	0.43	J					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	**2.7**		**2.6**		0.43	U	0.43	U					
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**7**		**1.9**		0.26	U	0.26	U					
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U					
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U					
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U					
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U					
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U					
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U					
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	**210**		**470**		2.7		2.3						
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U					
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U					
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U					
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U					
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U					
Tetrachloroethene	*127-18-4*	*1*	**4.2**		**14**		0.25	U	0.25	U	0.25	U	0.25	U					
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U					
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U					
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U					
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U					
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U					
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U					
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U					
Trichloroethene	*79-01-6*	*1*	**2.3**		0.31	U	0.47	J	0.31	U	0.31	U	0.31	U					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U					
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U					
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	**3.8**		**1.8**		0.17	U	0.17	U					
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U					
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U					
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U					
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	37	JN	36	JN					

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-65-154-D1		DW-65-176-D1		DW-65-199-D1		DW-65-221-D1		DW-65-262-D2		DW-65-350-D2	
		Date Sampled:	3/18/2021		3/18/2021		3/18/2021		3/18/2021		3/18/2021		3/18/2021	
		LAB Sample ID:	460230456-1-7		460230456-1-6		460230456-1-5		460230456-1-4		460230456-1-3		460230456-1-2	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	15		0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.38	J	0.33	U	0.33	U	0.37	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.28	J	0.49	J	8.6		0.7	J	14		0.7	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1.3		1.8		4.4		1.2		3.6		0.99	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	**54**		1.8	
1,1-Dichloroethene	*75-35-4*	*1*	0.77	J	**1.3**		**1.5**		0.26	J	**4.6**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	6.2		0.25	J	1.7		0.96	J	14		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**1.2**		0.25	U	0.25	U	**4.1**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.76	J	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.85	J	1		0.31	U	**26**		0.52	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.46	J	0.86	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	28	JN	36	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:			DW-67B_PDB269.5		DW-68A_PDB202.5		DW-70-83-S3		DW-70-114-S3		DW-70-123-D1		DW-70-150-D1 (A)	
Date Sampled:			4/6/2021		4/7/2021		3/18/2021		3/18/2021		3/18/2021		3/18/2021	
LAB Sample ID:			460231802-1-53		460231797-1-18		460230456-1-19		460230456-1-18		460230456-1-17		460230456-1-15	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	14		14		4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	2		15	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.52	J	1.8		0.49	J	1	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	19		2.1		3.5		12		5.1		4.2	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	1.2		0.85	J	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.3	J	9.1		99	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.38	J	2.2		23	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.39	J	7.9		**88**	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	2.9		1.3		9.3		37		32		24	
1,2-Dichloroethane	*107-06-2*	*2*	**13**		**2.2**		1.8		**3.9**		1.7		0.93	J
1,1-Dichloroethene	*75-35-4*	*1*	1		0.26	U	**19**		**86**		**100**		**31**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1		0.22	U	1.9		2.3		4.1		2.3	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**2.1**		**23**		**4.1**		**3.6**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.62	J	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	4.1		12		1.2		0.37	J
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.9	J	8	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.69	J	1.1		2.2		1.5	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.22	J	0.22	J
Trichloroethene	*79-01-6*	*1*	0.76	J	0.65	J	**21**		**77**		**11**		**5.9**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.73	J	**9.2**	
Vinyl Chloride	*75-01-4*	*1*	**5**		**2.6**		0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	J	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.3	J	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	5.5	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-70-150-D1 (B)		DW-70-174-D1		DW-70-205-D1		DW-70-261-D2		DW-72-120-S3		DW-72-146-S3	
		Date Sampled:	3/18/2021		3/18/2021		3/18/2021		3/18/2021		3/18/2021		3/18/2021	
		LAB Sample ID:	460230456-1-16		460230456-1-14		460230456-1-13		460230456-1-12		460230456-1-27		460230456-1-26	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	17		0.38	U	0.38	U	8.4		0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.2		2.3		0.33	U	0.49	J	0.98	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	4.3		4.3		0.44	J	6.1		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	110		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	26		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	**97**		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	27		24		1		6.8		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.79	J	0.68	J	0.43	U	**4.6**		0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**51**		**41**		**1.9**		**11**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	2.3		0.37	J	0.22	U	2.8		0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**4.8**		**5.6**		0.6	J	**5.1**		**4.6**		**69**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.74	J	1.2		0.31	U	1		0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	8.7		0.86	J	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.9		1.6		0.24	U	0.39	J	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.27	J	0.23	J	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**7.6**		**7.3**		0.75	J	**19**		0.69	J	0.87	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	**10**		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	6.9	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:	DW-72-167-D1 (A)	DW-72-167-D1 (B)	DW-72-176-D1	DW-72-217-D1	DW-72-237-D1	DW-72-316-D2
Date Sampled:	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021
LAB Sample ID:	460230456-1-24	460230456-1-25	460230456-1-23	460230456-1-22	460230456-1-21	460230456-1-20
LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison

Parameter (ug/l)	CAS No.	GWQS											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.41	J	0.41	J	0.99	J	0.88	J	0.96	J	0.35	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.29	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**10**		**8.8**		**69**		**23**		**45**		**190**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.35	J	0.31	U	0.31	U	**24**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	IW-157C2_PDB95.0		IW-168B_PDB43.5		IW-168C1_PDB68.5 (A)		IW-168C1_PDB68.5 (B)		IW-168C2_PDB93.5		IW-197A_PDB26.3	
	Date Sampled:	4/8/2021		3/26/2021		3/26/2021		3/26/2021		3/26/2021		4/8/2021	
	LAB Sample ID:	460231790-1-54		460230959-1-146		460230959-1-136		460230959-1-137		460230959-1-142		460231790-1-36	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	9.4		17		9.7		9.4		9.6		9.7	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.94	J
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	2.8	J	1.9	U	1.9	U	1.9	U	3	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	14	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.46	J	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	17		2.6		3.6		3.4		55		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.79	J	0.32	U	0.32	U	0.32	U	0.32	U	0.62	J +
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.64	J	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.51	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	**1.1**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2.2**		1		0.25	U	0.25	U	**170**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.25	J	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.61	J	0.88	J	0.53	J	0.54	J	**96**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.58	J	0.44	J	**2.4**		**2.1**		0.63	J	0.2	J
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:			IW-199B_PDB40.6		MW-1G_PDB10.75		MW-2G_PDB10.75		MW-15A_PDB13.25		MW-16_PDB10.5(A)		MW-16_PDB10.5(B)	
Date Sampled:			4/8/2021		3/24/2021		3/24/2021		4/6/2021		3/29/2021		3/29/2021	
LAB Sample ID:			460231790-1-30		460230686-1-4		460230686-1-2		460231802-1-44		460231093-1-64		460231093-1-65	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	8.7		13		6.9		11		11		12	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	35		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.97	J	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.49	J	2.9		0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.79	J +	0.32	U	0.32	U	0.49	J	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	8.2		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**11**		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**2.3**		0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.85	J	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**7.1**		0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.36	J	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	6.9	JN	ND	U	13	JN	ND	U	11.2	JN	12.8	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:			MW-22A_PDB40.75		MW-24_PDB32.0(A)		MW-24_PDB32.0(B)		MW-24C_PDB40.0		MW-43_PDB21.85		MW-44_PDB16.0	
Date Sampled:			4/8/2021		3/23/2021		3/23/2021		3/29/2021		3/25/2021		3/25/2021	
LAB Sample ID:			460231790-1-28		460230909-1-24		460230909-1-25		460231093-1-68		460230959-1-68		460230959-1-60	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	9.6		4.4	U	4.4	U	21		11		7.1	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.41	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.82	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.69	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	1.1	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	1.1	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	3.7	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	1.6	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.42	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.89	J	0.42	J	0.38	J	1.7	J	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	J	7.2		0.37	J	0.37	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.8	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.64	J	21		19		**530**		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.44	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.71	J	0.32	U	0.32	U	0.64	U	0.32	U	0.54	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.75*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.56	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*1*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.4	J	0.35	J	1	J	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.68	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.67	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1.2		0.26	U	0.26	U	0.53	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	1.2	J	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**3**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.71	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.6	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	2.3	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.67	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	1.6	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.43	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	2.6	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	1.4	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.63	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.83	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**21**		**20**		**31**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.76	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	2.4		0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.45	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.71	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.48	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.41	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.36	J	**9**		**8.5**		**8.3**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.46	J	0.38	J	**1.1**	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.59	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.72	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	1.3	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:			MW-44B_PDB41.75		MW-44C_PDB76.75		MW-46_PDB58.75		MW-58_PDB33.75		MW-80C_PDB15.5		MW-102_PDB11.10	
Date Sampled:			3/25/2021		3/25/2021		3/29/2021		3/26/2021		3/23/2021		4/8/2021	
LAB Sample ID:			460230959-1-64		460230959-1-62		460231093-1-20		460230959-1-100		460230909-1-22		460231790-1-56	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	6.6		19		7.9		18		9.5		13	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	**180**		0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.39	J	0.4	J	0.33	U	0.33	U	20		0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	**380**		0.81	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	1.6		0.32	U	0.32	U	0.32	U	0.5	J	0.46	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.47	J	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	**220**		**2.2**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	2.8		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	**67**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	**2.4**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	5.3	JN	ND	U	5.6	JN	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-104B_PDB30.1		MW-105A_PDB7.9		MW-105B_PDB35.0		MW-106A_PDB9.4		MW-106B_PDB31.2		MW-112A_PDB7.25	
	Date Sampled:	4/6/2021		4/8/2021		4/8/2021		4/6/2021		4/7/2021		3/29/2021	
	LAB Sample ID:	460231802-1-42		460231790-1-31		460231790-1-34		460231802-1-38		460231797-1-2		460231093-1-28	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	17		15		15		14		11		9.4	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	1.3	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	8.1		0.22	U	0.22	U	4.4		0.31	J	0.49	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	1.1		0.32	U	0.32	U	0.75	J	0.54	J	0.4	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.43	J	9.4		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.38	J	**3.2**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**97**		0.25	U	0.25	U	0.51	J	0.25	U	**120**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.31	J	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**4.9**		0.31	U	0.31	U	**2.2**		0.31	U	0.55	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	**3.3**		0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	5.1	JN	5.8	J	ND	U	9.5	JN	ND	U	6.6	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:		MW-114_PDB75.4(A)		MW-114_PDB75.4(B)		MW-114A_PDB71.8		MW-117_PDB71.25 (A)		MW-117_PDB71.25 (B)		MW-120_PDB76.75	
			Date Sampled:		3/25/2021		3/25/2021		3/25/2021		4/8/2021		4/8/2021		3/29/2021	
			LAB Sample ID:		460230959-1-20		460230959-1-22		460230959-1-28		460231790-1-38		460231790-1-39		460231093-1-18	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	16		15		10		8.8		8.6		8.9	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.68	J	0.63	J	0.63	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	1.3	+	0.7	J +	2.2	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	8.4	JN	8.1	JN	ND	U	5.5	JN	5	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-124A_PDB23.0		MW-124B_PDB25.75 (A)		MW-124B_PDB25.75 (B)		MW-126_PDB8.5		MW-126B_PDB41.8		MW-126C_PDB76.8	
		Date Sampled:	3/29/2021		3/29/2021		3/29/2021		3/26/2021		3/26/2021		3/26/2021	
		LAB Sample ID:	460231093-1-22		460231093-1-24		460231093-1-25		460230959-1-131		460230959-1-128		460230959-1-134	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	6.7		7.4		7.1		11		9.8		9.9	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.45	J	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	2.1		0.33	U	0.33	U	0.33	U	0.56	J	0.43	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.76	J	4.2		5.5	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.5	J	2		1		0.53	J	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	2		13		16	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**1.4**		**14**		**15**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	1.3		1.3	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	**1.7**		**1.9**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.9	J	1.1	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.8	J	**5.6**		**7.1**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	11.4	JN	11	JN	11.2	JN	ND	U	10.8	JN	15.1	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-131_PDB14.45		MW-131B_PDB33.8		MW-131C_PDB76.8		MW-136_PDB14.0		MW-136B_PDB45.0		MW-136C_PDB95.0	
	Date Sampled:	3/29/2021		3/29/2021		3/29/2021		4/7/2021		4/7/2021		4/7/2021	
	LAB Sample ID:	460231093-1-8		460231093-1-4		460231093-1-10		460231797-1-22		460231797-1-26		460231797-1-28	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	6.4		9		10		16	3	8.5		8.5	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.21	J	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.55	J	2.2		0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.49	J	0.36	J	1.8		0.48	J	0.52	J	0.74	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.29	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	10.9	JN	5.3	JN	6.7	JN	5.5	JN	ND	U	5.1	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:	MW-143_PDB18.65	MW-143B_PDB46.8	MW-143C_PDB76.8	MW-145A_PDB24.3	MW-146A_PDB23.3	MW-146B_PDB53.75
Date Sampled:	4/7/2021	4/7/2021	4/7/2021	4/6/2021	4/7/2021	4/7/2021
LAB Sample ID:	460231797-1-42	460231797-1-48	460231797-1-44	460231802-1-17	460231797-1-38	460231797-1-32
LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison

Parameter (ug/l)	CAS No.	GWQS											
Acetone	*67-64-1*	*6000*	24		10		8		10		12		12	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	1.5		1.1		0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.58	J	0.4	J	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.39	J	1.1		2.2		0.53	J	0.37	J	1.2	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**15**		**7**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.62	J	0.67	J	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	6.2	JN	ND	U	ND	U	6.8	JN	5.4	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
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Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:		MW-146C_PDB66.75		MW-148A_PDB24.35		MW-148B_PDB44.85		MW-170AR_PDB15.215		MW-170BR_PDB35.0		MW-171A_PDB26.75	
			Date Sampled:		4/7/2021		3/29/2021		3/29/2021		4/7/2021		4/7/2021		4/6/2021	
			LAB Sample ID:		460231797-1-30		460231093-1-14		460231093-1-16		460231797-1-56		460231797-1-58		460231802-1-22	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	12		7.7		11		9.5		7.8		11	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.4		0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	2.4		0.22	U	0.22	U	3.4		18		19	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	1.3		0.84	J	0.32	U	0.32	U	0.33	J	0.49	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.53	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**26**		0.25	U	0.25	U	0.25	U	**110**		**290**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**1.1**		0.31	U	0.31	U	0.31	U	**5.9**		**9.6**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	**2.1**		0.19	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	5.2	JN	5.1	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-171B_PDB46.75		MW-171C_PDB66.75		MW-172_PDB37.0		MW-174_PDB34.75		MW-201_PDB28.75		MW-201A_PDB21.75	
		Date Sampled:	4/6/2021		4/6/2021		4/8/2021		4/7/2021		4/8/2021		4/8/2021	
		LAB Sample ID:	460231802-1-26		460231802-1-20		460231790-1-58		460231797-1-64		460231790-1-4		460231790-1-2	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	12		10		7.6		11		13		8.8	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.41	U	0.41	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.82	U	0.82	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.69	U	0.69	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	1.1	U	1.1	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	1.1	U	1.1	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	3.7	U	3.7	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	1.6	U	1.6	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.42	U	0.42	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	6.8		14	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.64	U	0.64	U
Chloroform	*67-66-3*	*70*	0.66	J	1.1		0.33	U	0.33	U	0.65	U	0.65	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.8	U	0.8	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	16		20		0.22	U	0.22	U	**230**		**540**	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.44	U	0.44	U
Cyclohexane	*110-82-7*	*100*	0.91	J	1.4		0.62	J	0.44	J	0.64	U	0.64	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.75*	U	*0.75*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.56	U	0.56	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*1*	U	*1*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	7.7		17	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.68	U	0.68	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	1.8	J	3.7	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.62	U	0.62	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.31	J	0.26	U	0.26	U	0.53	U	0.53	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	**2.2**		**3.1**	
1,1-Dichloroethene	*75-35-4*	*1*	0.54	J	0.88	J	0.26	U	0.26	U	**2.9**		**9.5**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.71	U	0.71	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.6	U	0.6	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	2.3	U	2.3	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.67	U	0.67	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	1.6	U	1.6	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.43	U	0.43	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	2.6	U	2.6	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	1.4	U	1.4	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.63	U	0.63	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.83	U	0.83	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.73	U	0.73	U
Tetrachloroethene	*127-18-4*	*1*	**230**		**260**		0.25	U	0.25	U	**450**		**320**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.76	U	0.76	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.89	J	2.7	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.45	U	0.45	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.62	U	0.62	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.71	U	0.71	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.48	U	0.48	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.41	U	0.41	U
Trichloroethene	*79-01-6*	*1*	**7.2**		**9.9**		0.31	U	0.31	U	**200**		**460**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.64	U	0.64	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.73	U	0.73	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	**3.9**		**15**	
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.59	U	0.59	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.72	U	0.72	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	1.3	U	1.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:			MW-201B_PDB41.8		MW-201C_PDB92.8		MW-204C_PDB61.75		MW-206B_PDB46.75		MW-206C_PDB76.75		MW-207A_PDB6.75	
Date Sampled:			4/8/2021		4/8/2021		4/6/2021		3/22/2021		3/22/2021		3/25/2021	
LAB Sample ID:			460231790-1-24		460231790-1-22		460231802-1-60		460230909-1-8		460230909-1-6		460230959-1-90	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	17		16		16		15		17		9.4	
Benzene	*71-43-2*	*1*	0.41	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.82	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.69	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	1.1	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	1.1	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.7	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	1.6	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.42	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	6.9		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.65	U	0.36	J	0.61	J	0.95	J	0.9	J	0.35	J
Chloromethane	*74-87-3*	*100*	0.8	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**180**		3.7		3.3		0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.44	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.64	U	1.7	+	1.3		0.32	U	0.59	J	0.37	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.75*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.56	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*1*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	5.6		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.68	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	1.2	J	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.53	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	**4.3**		0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**1.7**	J	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.71	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.6	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	2.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.67	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	1.6	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.43	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	2.6	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	1.4	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.63	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.83	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.73	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**600**		**33**		**100**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.76	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.92	J	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.45	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.71	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.48	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.41	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**140**		**1.1**		**1.4**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.64	U	0.32	U	0.34	J	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.73	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.68	J	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.59	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.72	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	1.3	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	6.4	JN	ND	U	ND	U	7.7	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:	MW-207B_PDB44.75		MW-207C_PDB61.75		MW-209A_PDB14.75		MW-209B_PDB36.75		MW-213B_PDB46.75		MW-213C_PDB76.75	
Date Sampled:	3/25/2021		3/25/2021		3/24/2021		3/24/2021		3/29/2021		3/29/2021	
LAB Sample ID:	460230959-1-84		460230959-1-88		460230686-1-6		460230686-1-8		460231093-1-40		460231093-1-37	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	12		15		18		9.5		22		12	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.91	J	0.5	J	0.33	U	1.2		1.2		0.89	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.61	J	0.48	J	1.2	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.37	J	0.26	U	0.6	J	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.38	J	0.26	U	**1.2**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.27	J	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.82	J	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	7.9	JN	18	JN	5.7	J	ND	U	ND	U	10	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-214A_PDB23.25			MW-214B_PDB41.75			MW-214C_PDB66.75			MW-215C_PDB76.75			MW-216C_PDB71.75			MW-222_PDB71.75					
		Date Sampled:	4/6/2021			4/6/2021			4/6/2021			4/7/2021			4/7/2021			4/7/2021					
		LAB Sample ID:	460231802-1-4			460231802-1-6			460231802-1-2			460231797-1-6			460231797-1-11			460231797-1-50					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	14			20			13			10			14			31					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		0.82	J		1.1			0.93	J		1.1			1.8					
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		4.4			2.9			0.22	U		8.6			0.22	U				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.7	J		0.75	J		0.75	J		0.76	J		0.56	J		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.64	J		22			16			0.26	U		0.26	U		0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.49	J		**25**			**21**			0.26	U		0.26	U		0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U				
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U		0.66	J		**1.5**			0.25	U		**73**			**1.1**					
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		2.5			2.4			0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	0.31	U		**2.9**			**2.8**			0.31	U		**4.1**			0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	6.4	JN		ND	U		ND	U		ND	U		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:			MW-222C_PDB253.75		MW-230C_PDB66.75		MW-236B_PDB34.75		MW-236C_PDB54.75		MW-237A_PDB27.5		MW-237C_PDB111.75	
Date Sampled:			4/7/2021		3/25/2021		4/6/2021		4/6/2021		3/26/2021		3/26/2021	
LAB Sample ID:			460231797-1-54		460230959-1-26		460231802-1-12		460231802-1-10		460230959-1-114		460230959-1-110	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	140		9.2		12		11		14		8.2	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	**19**		0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	3		0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.88	J	1.4		1.4		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	11		0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.62	J	0.79	J	79		1.7	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	**63**		0.26	U	0.82	J	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**57**		0.26	U	**1.6**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	24		0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	12		1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	45		0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.55	J	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	3.7	J	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	28		0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.44	J	0.25	U	0.32	J	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	5.1		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	7.6		0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**2.8**		0.31	U	0.85	J	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	**2.6**		0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	110		0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	10		0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	120		0.65	U
Total VOC TIC	*SRP170*	*500*	16	JN	ND	U	7.5	JN	11.1	JN	**3500**	JN	6.3	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	MW-238C_PDB76.75			MW-243B_PDB48.5			MW-257A_PDB27.0			MW-257B_PDB46.75			MW-258B_PDB80.75			MW-258C_PDB106.75					
			Date Sampled:	4/6/2021			4/7/2021			4/8/2021			4/8/2021			4/7/2021			4/7/2021					
			LAB Sample ID:	460231802-1-56			460231797-1-51			460231790-1-44			460231790-1-42			460231797-1-60			460231797-1-62					
			LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																						
Acetone	*67-64-1*	*6000*	13			11			170			22			15			45						
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U					
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U					
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U					
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U					
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U					
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		2	J		1.9	U		1.9	U		4.2	J					
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U					
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U					
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U					
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U					
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.38	J					
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U					
cis-1,2-Dichloroethene	*156-59-2*	*70*	7.4			0.3	J		0.22	U		52			0.22	U		0.8	J					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U					
Cyclohexane	*110-82-7*	*100*	0.53	J		0.67	J		0.32	U		0.32	U		0.54	J		0.32	U					
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U					
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U					
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U					
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U					
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U					
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U					
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U					
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.39	J		0.26	U		0.26	U					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U					
1,1-Dichloroethene	*75-35-4*	*1*	0.42	J		0.26	U		0.26	U		0.65	J		0.26	U		0.26	U					
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U					
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U					
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U					
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U					
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U					
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U					
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U					
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U					
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U					
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U					
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U					
Tetrachloroethene	*127-18-4*	*1*	0.87	J		0.25	U		0.25	U		**180**			**1.5**			**1.4**						
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U					
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.29	J		0.24	U		0.24	U					
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U					
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U					
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U					
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U					
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U					
Trichloroethene	*79-01-6*	*1*	1			0.31	U		0.31	U		**11**			0.31	U		0.6	J					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U					
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U					
Vinyl Chloride	*75-01-4*	*1*	0.64	J		0.67	J		0.17	U		0.25	J		0.17	U		0.17	U					
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U					
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U					
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U					
Total VOC TIC	*SRP170*	*500*	5.1	JN		ND	U		20	JN		ND	U		ND	U		ND	U					

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-266B_PDB61.95		MW-266C_PDB86.85		MW-267A_PDB47.75		MW-267B_PDB96.75		MW-269A_PDB55.0		MW-269C_PDB121.8	
		Date Sampled:	3/26/2021		3/26/2021		3/26/2021		3/26/2021		3/29/2021		3/29/2021	
		LAB Sample ID:	460230959-1-150		460230959-1-148		460230959-1-98		460230959-1-104		460231093-1-36		460231093-1-34	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	13		13		13		18		10		6.7	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	5.5		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.4	J	0.33	U	1.6		0.84	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1		2.9		0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.79	J	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	39		**82**		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.54	J	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.78	J	**1.3**		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	4.5		3		0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.3	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.41	J	1		0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**1.6**		0.5	J	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	**4.9**		**17**		0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	31	JN	7	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:			MW-270A_PDB59.5		MW-271A_PDB56.8		MW-271B_PDB91.8		MW-271C_PDB126.8		MW-273B_PDB41.8		MW-273C_PDB92.80	
Date Sampled:			3/29/2021		3/25/2021		3/25/2021		3/25/2021		3/25/2021		3/25/2021	
LAB Sample ID:			460231093-1-44		460230959-1-50		460230959-1-47		460230959-1-44		460230959-1-10		460230959-1-14	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	7.2		16		15		22	U	9.6		9.2	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	1	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	2.1	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	*1.7*	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	2.7	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	2.8	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	9.3	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	4.1	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	1	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	1.9	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	1.6	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.66	J	1.7	J	0.74	J	0.51	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	2	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	1.1	J	1		0.29	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	1.1	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.92	J	0.32	U	0.32	U	1.6	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*1.9*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	*1.4*	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*2.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	1.1	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	1.7	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	1.7	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	1.6	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	1.3	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	*2.2*	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	*1.3*	U	0.26	U	0.47	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	*1.8*	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	1.5	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	5.7	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	1.7	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	3.9	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	1.1	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	6.5	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	3.5	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	1.6	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	2.1	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	*1.8*	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**1.3**		***990***		**2.2**		**3.4**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	1.9	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	1.2	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	1.1	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	1.6	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	1.8	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	1.2	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	1	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	***1.8***	J	0.9	J	**1.4**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	1.6	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	1.8	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.86	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	1.5	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	1.8	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	3.3	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	7.8	JN	ND	U	6.3	JN	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	MW-274A_PDB11.8		MW-274B_PDB56.80		MW-274C_PDB91.8		MW-275B_PDB36.8		MW-276A_PDB26.8		MW-276B_PDB51.8					
			Date Sampled:	3/25/2021		3/25/2021		3/25/2021		3/26/2021		3/29/2021		3/29/2021					
			LAB Sample ID:	460230959-1-42		460230959-1-46		460230959-1-52		460230959-1-116		460231093-1-58		460231093-1-54					
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																	
Acetone	*67-64-1*	*6000*	10		9.8		23		14		4.4	U	7.9						
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U					
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U					
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U					
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U					
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U					
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U					
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U					
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.29	J	0.21	U	0.21	U					
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U					
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U					
Chloroform	*67-66-3*	*70*	0.66	J	0.58	J	0.33	J	1.3		0.42	J	1						
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U					
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.3	J	5.9		0.22	U	0.22	U					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U					
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.87	J	2.2						
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U					
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U					
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U					
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U					
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U					
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U					
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U					
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	22		0.26	U	0.26	U					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U					
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**30**		0.26	U	0.26	U					
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U					
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U					
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U					
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U					
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U					
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U					
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U					
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U					
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U					
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U					
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U					
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U					
Tetrachloroethene	*127-18-4*	*1*	**1.1**		0.44	J	0.57	J	**4.4**		0.25	U	0.25	U					
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U					
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U					
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U					
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U					
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U					
1,1,1-Trichloroethane	*71-55-6*	*30*	0.63	J	0.24	U	0.24	U	3		0.24	U	0.24	U					
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U					
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.36	J	**16**		0.31	U	0.31	U					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U					
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U					
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U					
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U					
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U					
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U					
Total VOC TIC	*SRP170*	*500*	6.4	JN	5	JN	ND	U	ND	U	ND	U	ND	U					

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	MW-276C_PDB86.8		MW-288B_PDB41.8		MW-295A_PDB17.5		MW-295C_PDB80.0		MW-304A_PDB17.5		MW-304B_PDB37.5 (A)	
			Date Sampled:	3/29/2021		4/6/2021		3/22/2021		3/22/2021		4/6/2021		4/6/2021	
			LAB Sample ID:	460231093-1-50		460231802-1-58		460230909-1-13		460230909-1-14		460231802-1-32		460231802-1-34	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*		11		11		15		18		7.5		12	
Benzene	*71-43-2*	*1*		0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*		0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*		0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*		0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*		1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*		0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*		0.33	U	0.54	J	0.33	U	0.33	U	0.33	U	0.5	J
Chloromethane	*74-87-3*	*100*		0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*		0.22	U	8.6		0.22	U	9.6		1.6		35	
cis-1,3-Dichloropropene	*10061-01-5*	*--*		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*		0.32	U	0.57	J	0.32	U	0.54	J	0.81	J	0.75	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*		*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*		0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*		*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.36	J
1,2-Dichloroethane	*107-06-2*	*2*		0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.44	J
1,1-Dichloroethene	*75-35-4*	*1*		0.26	U	0.65	J	0.26	U	0.26	U	0.26	U	0.94	J
1,2-Dichloropropane	*78-87-5*	*1*		0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*		0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*		0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*		1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*		0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*		0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*		0.25	U	**150**		0.25	U	**15**		**3.3**		**250**	
Toluene	*108-88-3*	*600*		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.32	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*		0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*		0.31	U	**3.9**		0.31	U	**1.6**		0.5	J	**14**	
Trichlorofluoromethane	*75-69-4*	*2000*		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*		0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*		0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*		0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*		ND	U	ND	U	ND	U	ND	U	5.6	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-304B_PDB37.5 (B)		MW-304C_PDB72.5		MW-347B_PDB46.8		MW-348B_PDB51.8		MW-349B_PDB41.8		MW-349C_PDB91.8	
	Date Sampled:	4/6/2021		4/6/2021		3/25/2021		3/25/2021		3/26/2021		3/26/2021	
	LAB Sample ID:	460231802-1-35		460231802-1-30		460230959-1-96		460230959-1-92		460230959-1-112		460230959-1-108	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	12		25		14		5.5		12		11	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.25	J	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.46	J	1.3		0.87	J	0.72	J	0.84	J	4.1	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	34		25		1.5		2.9		2.4		5.4	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.75	J	0.86	J	0.32	U	1.9		0.32	U	1.8	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	6.9		13		11		23	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	J	0.44	J	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	1		**1.2**		**7.7**		**16**		**11**		**17**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.5	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**240**		**270**		**1.6**		0.58	J	**2**		0.81	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	1.1		1.7		1.5		1.3	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**14**		**14**		**3.2**		**3.1**		**4.6**		**8.6**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	8.9	J	ND	U	ND	U	5.6	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-351C_PDB61.8		MW-353A_PDB49.25		MW-353B_PDB76.3		MW-353C_PDB124.25		MW-357A_PDB20.0 (A)		MW-357A_PDB20.0 (B)	
		Date Sampled:	4/6/2021		4/8/2021		4/8/2021		4/8/2021		3/29/2021		3/29/2021	
		LAB Sample ID:	460231802-1-46		460231790-1-10		460231790-1-7		460231790-1-12		460231093-1-72		460231093-1-73	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	11		6.4		15		6.9		7.1		7.1	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.68	J	1.7		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.32	J	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	1.3		2.2		1.3		0.56	J	0.6	J	0.52	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**350**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**1.9**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	6.1	JN	ND	U	ND	U	ND	U	11	JN	10	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-366B_PDB41.80			MW-373B_PDB73.75			MW-373C_PDB114.75			MW-375A_PDB50.75			MW-375B_PDB69.8			MW-375C_PDB126.8					
		Date Sampled:	4/8/2021			4/8/2021			4/8/2021			3/25/2021			3/25/2021			3/25/2021					
		LAB Sample ID:	460231790-1-61			460231790-1-52			460231790-1-48			460230959-1-76			460230959-1-72			460230959-1-69					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	15			12			22			11			8.8			22	U				
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		1	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		2.1	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		*1.7*	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		2.7	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		2.8	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		2.2	J		1.9	U		1.9	U		9.3	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		4.1	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		1	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		1.9	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		1.6	U				
Chloroform	*67-66-3*	*70*	1.4			1.4			0.33	U		0.33	U		0.33	U		1.7	J				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		2	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.4			0.28	J		0.78	J		0.22	U		0.22	U		1.7	J				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		1.1	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.5	J		0.32	U		0.32	U		0.32	U		1.6	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*1.9*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		*1.4*	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*2.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		1.1	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		1.7	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		1.7	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		1.6	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		1.3	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		*2.2*	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		*1.3*	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		*1.8*	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U				
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		1.5	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		5.7	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		1.7	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		3.9	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		1.1	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		6.5	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		3.5	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		1.6	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		2.1	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		*1.8*	U				
Tetrachloroethene	*127-18-4*	*1*	**120**			**98**			**4.7**			0.25	U		0.44	J		***1300***					
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		1.9	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		1.2	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		1.1	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		1.6	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		1.8	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		1.2	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		1	U				
Trichloroethene	*79-01-6*	*1*	1			0.51	J		**1.4**			0.31	U		0.31	U		***2.3***	J				
Trichlorofluoromethane	*75-69-4*	*2000*	0.51	J		0.32	U		0.32	U		0.32	U		0.32	U		1.6	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		1.8	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.27	J		0.17	U		0.17	U		0.86	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		1.5	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		1.8	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		3.3	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-376B_PDB81.0			MW-376C_PDB119.8			MW-377B_PDB86.8			MW-377C_PDB109.8			MW-383A_PDB17.5			MW-391C_PDB115.0					
		Date Sampled:	3/25/2021			3/25/2021			3/29/2021			3/29/2021			3/23/2021			4/6/2021					
		LAB Sample ID:	460230959-1-6			460230959-1-2			460231093-1-62			460231093-1-60			460230909-1-28			460231802-1-50					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	18			10			6.8			12			10			11					
Benzene	*71-43-2*	*1*	0.2	U		0.41	U		0.2	U		0.41	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.82	U		0.41	U		0.82	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.69	U		0.34	U		0.69	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		1.1	U		0.54	U		1.1	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		1.1	U		0.55	U		1.1	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		3.7	U		1.9	U		3.7	U		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		1.6	U		0.82	U		1.6	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.42	U		0.21	U		0.42	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.75	U		0.38	U		0.75	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.64	U		0.32	U		0.64	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		1.4	J		1.9			1.6	J		0.33	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.8	U		0.4	U		0.8	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		0.69	J		0.22	U		0.83	J		0.47	J		0.22	U				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.44	U		0.22	U		0.44	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.64	U		0.96	J		0.64	U		0.55	J		0.85	J				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.75*	U		*0.38*	U		*0.75*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.56	U		0.28	U		0.56	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*1*	U		*0.5*	U		*1*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.42	U		0.21	U		0.42	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.68	U		0.34	U		0.68	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.67	U		0.33	U		0.67	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.62	U		0.31	U		0.62	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.53	U		0.26	U		0.53	U		0.26	U		0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.86	U		0.43	U		0.86	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.53	U		0.26	U		0.53	U		0.26	U		0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.71	U		0.35	U		0.71	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U				
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.6	U		0.3	U		0.6	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		2.3	U		1.1	U		2.3	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.67	U		0.34	U		0.67	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		1.6	U		0.79	U		1.6	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.43	U		0.22	U		0.43	U		0.22	U		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		2.6	U		1.3	U		2.6	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		1.4	U		0.71	U		1.4	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.63	U		0.32	U		0.63	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.83	U		0.42	U		0.83	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.73	U		0.37	U		0.73	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U		**820**			**120**			**400**			0.25	U		0.25	U				
Toluene	*108-88-3*	*600*	0.38	U		0.76	U		0.38	U		0.76	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.47	U		0.24	U		0.47	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.45	U		0.22	U		0.45	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.62	U		0.31	U		0.62	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.71	U		0.36	U		0.71	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.48	U		0.24	U		0.48	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.41	U		0.2	U		0.41	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	0.31	U		**1.4**	J		0.6	J		**1.5**	J		0.31	U		0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.64	U		0.32	U		0.64	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.73	U		0.37	U		0.73	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.34	U		0.17	U		0.34	U		0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.59	U		0.3	U		0.59	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.72	U		0.36	U		0.72	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		1.3	U		0.65	U		1.3	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		53.5	JN				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:		MW-394C_PDB98.0		MW-416A_PDB34.8 (A)		MW-416A_PDB34.8 (B)		MW-416B_PDB49.25		MW-416C_PDB105.0		MW-453C2_PDB97.5	
			Date Sampled:		3/29/2021		4/7/2021		4/7/2021		4/7/2021		4/7/2021		4/8/2021	
			LAB Sample ID:		460231093-1-70		460231797-1-10		460231797-1-12		460231797-1-4		460231797-1-8		460231790-1-49	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	8.4		7.5		12		12		12		12		13	
Benzene	*71-43-2*	*1*	0.2	U	0.32	J	0.32	J	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.45	J	1.1		0.38	U	34		0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	1.5	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	2.3	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.8	J	0.6	J	0.49	J	0.78	J	0.97	J	0.57	J		
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U		
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U		
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U		
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U		
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U		
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U		
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U		
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.65	J	0.67	J	0.89	J	0.42	J	0.26	U		
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U		
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U		
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U		
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U		
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U		
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U		
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U		
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U		
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	1		0.98	J	0.22	U		
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U		
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U		
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U		
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U		
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U		
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**170**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U		
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U		
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U		
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U		
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U		
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U		
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	**1.8**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U		
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U		
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U		
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U		
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U		
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U		
Total VOC TIC	*SRP170*	*500*	25.1	JN	ND	U	ND	U	ND	U	39.8	JN	ND	U		

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

Sample No.:			MW-457C1_PDB75.0		MW-483B_PDB57.5		MW-483C_PDB72.5		MW-487A_PDB17.5		MW-495B_PDB45.5		MW-503C_PDB70.0	
Date Sampled:			4/8/2021		3/25/2021		3/25/2021		3/25/2021		4/6/2021		4/6/2021	
LAB Sample ID:			460231790-1-60		460230959-1-78		460230959-1-73		460230959-1-66		460231802-1-52		460231802-1-48	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	18		14		7.3		44	U	15		15	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	*2*	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	4.1	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	*3.4*	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	*5.4*	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	5.5	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	19	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	8.2	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.29	J	***24***		0.21	U	**1.1**	
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	3.8	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	3.2	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.6	J	0.33	U	0.86	J	9.6	J	0.33	U	1.3	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	11		0.22	U	1.4		2.4	J	22		16	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	3.2	U	0.32	U	0.67	J
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*3.8*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	*2.8*	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	3.4	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	3.3	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	3.1	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	5		2.6	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	*4.3*	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.62	J	0.26	U	**5.5**		*2.6*	U	0.26	U	0.8	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	*3.5*	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	11	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	3.4	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	7.9	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	13	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	7.1	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	*3.2*	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	4.2	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	*3.7*	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**160**		0.25	U	0.54	J	***5***	J	**6.9**		**250**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	3.8	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	2.4	U	0.44	J	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	3.1	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	3.6	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.96	J	2.4	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**5.4**		0.62	J	**4**		***3500***		**9.2**		**6.8**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	3.2	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	3.7	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	*1.7*	U	**10**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	3.6	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	6.5	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	6.5	JN	ND	U	ND	U	5.3	J	5.7	J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:		66RI-MW4_DM12.5		131RI-MW1_DM12.9		138RI-MW1R_DM24.5		187RI-MW2_PDB8.7		ART-MW-6BR_PDB40.0 (A)		ART-MW-6BR_PDB40.0 (B)	
			Date Sampled:		10/21/2021		10/21/2021		10/21/2021		9/21/2021		10/20/2021		10/20/2021	
			LAB Sample ID:		460245826-1-7		460245826-1-14		460245826-1-15		460243525-1-8		460245830-1-44		460245830-1-46	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	120		58		70			
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	**3.6**		**110**		**110**			
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U		
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U		
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U		
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U		
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	4.2	J		
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U		
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U		
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U		
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	13		0.32	U	0.32	U		
Chloroform	*67-66-3*	*70*	0.45	J	0.66	J	1.1		0.33	U	0.33	U	0.33	U		
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U		
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.32	J	0.59	J	0.68	J	0.73	J	0.22	U	0.22	U		
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U -	0.22	U	0.22	U		
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U		
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U		
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U		
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U		
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U		
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U		
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U		
Dichlorodifluoromethane	*75-71-8*	*1000*	0.91	J	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U		
1,1-Dichloroethane	*75-34-3*	*50*	0.94	J	1.2		0.26	U	1.4		0.26	U	0.26	U		
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U		
1,1-Dichloroethene	*75-35-4*	*1*	**1.2**		**1.1**		0.62	J	0.26	U	0.26	U	0.26	U		
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U		
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND			
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U		
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U		
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	9.4		0.34	U	0.34	U		
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U		
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.72	J	0.22	U	0.22	U	0.84	J	0.22	U	0.22	U		
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U		
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U		
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U		
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U		
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U		
Tetrachloroethene	*127-18-4*	*1*	0.43	J	**1.2**		**5.8**		0.25	U	0.25	U	0.25	U		
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U		
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U		
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U		
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U		
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U		
1,1,1-Trichloroethane	*71-55-6*	*30*	0.26	J	0.92	J	0.24	U	0.24	U	0.24	U	0.24	U		
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Trichloroethene	*79-01-6*	*1*	0.31	U	0.57	J	**1.4**		0.31	U	0.31	U	0.31	U		
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U		
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U		
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.45	J	0.17	U	0.62	J	0.17	U	0.17	U		
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U		
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U		
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U		
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	109.4	JN	ND	U	ND	U		

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:			DW-2B_PDB132.75		DW-2-D2_PDB276.8		DW-3B_PDB113.75		DW-3-D2_PDB286.8		DW-4C_DM138.75		DW-4D_DM446.75	
Date Sampled:			9/22/2021		9/22/2021		10/20/2021		10/20/2021		10/25/2021		10/25/2021	
LAB Sample ID:			460243531-1-40		460243531-1-38		460245830-1-48		460245830-1-50		460246008-1-19		460246008-1-18	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	20		17		14		14		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	4.1	J	9.1		1.9	U	2.4	J	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.37	J	1.7		0.22	U	0.22	U	3.2		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U -	0.79	U -	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U -	0.37	U -	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**4.7**		0.86	J	0.25	U	0.59	J	**14**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	1.1		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U +	0.31	U +	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**3.8**		0.93	J	0.31	U	0.31	U	**1.8**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.62	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	5.5	JN	ND	U	5.9	J	11	J	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-6B_DM111.75			DW-6C_DM287.75			DW-6D_DM494.75			DW-7A_PDB123.8			DW-7B_PDB171.75			DW-7C_PDB341.75					
		Date Sampled:	10/22/2021			10/22/2021			10/22/2021			9/22/2021			9/22/2021			9/22/2021					
		LAB Sample ID:	460245828-1-6			460245828-1-7			460245828-1-5			460243531-1-16			460243531-1-18			460243531-1-20					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	4.4	U		4.4	U		4.4	U		19			39			20					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		1	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		2.1	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		*1.7*	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		2.7	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		2.8	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		9.3	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		4.1	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		1	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		1.9	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		1.6	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.46	J		0.33	U		0.33	U		0.33	U		1.6	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		2	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	12			66			3.3			19			3.6	J		**280**					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		1.1	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		1.6	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*1.9*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		*1.4*	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*2.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		1.1	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		1.7	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		1.7	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		1.6	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		1.3	U		0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		*2.2*	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		*1.3*	U		**1.2**					
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		*1.8*	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		1.5	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		5.7	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		1.7	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U	+	3.9	U	+	0.79	U	+			
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		1.1	U		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		6.5	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		3.5	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		1.6	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		2.1	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		*1.8*	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	**130**			0.25	U		**11**			**2**			***1100***			**55**					
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		1.9	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.29	J		0.39	J		0.24	U		1.9			1.2	U		1.4					
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		1.1	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		1.6	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U	+	1.8	U	+	0.36	U	+			
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		1.2	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		1	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	**4.3**			0.31	U		**1.2**			0.53	J		***4.4***	J		**70**					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		1.6	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		1.8	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	**2.8**			**3.1**			0.37	J		**12**			0.86	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		1.5	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		1.8	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		3.3	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		8.5	JN		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-7D_PDB426.75		DW-8A_PDB117.75		DW-8B_PDB188.75		DW-8C_PDB303.75		DW-9A_DM91.75		DW-11B_DM96.75	
		Date Sampled:	9/22/2021		9/27/2021		9/27/2021		9/27/2021		10/22/2021		10/22/2021	
		LAB Sample ID:	460243531-1-14		460243981-1-68		460243981-1-64		460243981-1-66		460245828-1-4		460245828-1-27	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	11		23		38		33		5.5		4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	1	U	0.41	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	2.1	U	0.82	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	*1.7*	U	0.69	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	2.7	U	1.1	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	2.8	U	1.1	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	9.3	U	3.7	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	4.1	U	1.6	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	1	U	0.42	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	1.9	U	0.75	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	1.6	U	0.64	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.6	U	0.65	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	2	U	0.8	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.89	J	**260**		**850**		**650**		0.58	J	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	1.1	U	0.44	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	1.6	U	0.64	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*1.9*	U	*0.75*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	*1.4*	U	0.56	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*2.5*	U	*1*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	1.1	U	0.42	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	1.7	U	0.68	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	1.7	U	0.67	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	1.6	U	0.62	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	1.3	U	0.53	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	*2.2*	U	0.86	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.58	J	*1.3*	U	**1.8**	J	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	*1.8*	U	0.71	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	1.5	U	0.6	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	5.7	U	2.3	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	1.7	U	0.67	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U -	0.79	U	3.9	U	1.6	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	1.1	U	0.43	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	6.5	U	2.6	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	3.5	U	1.4	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	1.6	U	0.63	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	2.1	U	0.83	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U -	0.37	U	*1.8*	U	0.73	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**5**		**5.5**		***100***		**8.4**		**100**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	1.9	U	0.76	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	1.4		4.4	J	2.6		0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	1.1	U	0.45	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U +	0.31	U	1.6	U	0.62	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	1.8	U	0.71	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	1.2	U	0.48	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	1	U	0.41	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.77	J	**13**		***53***		**25**		0.69	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	1.6	U	0.64	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	1.8	U	0.73	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.27	J	**3.1**	J	1	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	1.5	U	0.59	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	1.8	U	0.72	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	3.3	U	1.3	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	6.2	JN	ND	U	13	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:	DW-11D_DM446.75		DW-12A_DM130.75		DW-12B_DM182.75		DW-12CR_DM516.8		DW-13-D2_PDB241.8		DW-16A_DM216.75	
Date Sampled:	10/22/2021		10/21/2021		10/21/2021		10/21/2021		9/21/2021		10/21/2021	
LAB Sample ID:	460245828-1-28		460245826-1-20		460245826-1-21		460245826-1-22		460243525-1-16		460245826-1-19	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	13		16		4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.24	J
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	1.5		0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.45	J	0.51	J	0.52	J	0.33	U	0.7	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	1.2		0.57	J	0.22	U	1.1		4.7	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U -	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.37	J	0.26	U	0.26	U	0.56	J	24	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	1		0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.38	J	0.26	U	0.26	U	0.26	U	**40**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.75	J	0.3	U	0.41	J
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.44	J	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.33	J	0.22	U	0.37	J	0.22	U	4.9	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.85	J	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.48	J	0.25	U	0.25	U	**5.2**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.39	J	0.38	U	2.1	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	2.1	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	J	0.41	J	0.31	U	0.31	U	**5.5**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.76	J	0.98	J
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	2.7		0.3	U	0.83	J
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	4.4		0.36	U	0.61	J
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	7.1		0.65	U	1.44	J
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	9.5	JN	11.6	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-16B_DM293.75			DW-16C_DM434.75			DW-17C_PDB116.75			DW-24_DM171.75			DW-27B_DM291.75			DW-27C_DM421.8					
		Date Sampled:	10/21/2021			10/21/2021			9/27/2021			10/25/2021			10/21/2021			10/21/2021					
		LAB Sample ID:	460245826-1-18			460245826-1-17			460243981-1-42			460246008-1-11			460245826-1-29			460245826-1-30					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	31			18			24			11			5.7			4.4	U				
Benzene	*71-43-2*	*1*	0.22	J		0.32	J		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		4.1	J		1.9	U		1.9	U		2.5	J		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.66	J		0.44	J		0.73	J		0.33	U		0.33	U		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.28	J		0.27	J		0.22	U		0.22	U		0.22	U		0.22	U				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.44	J		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.41	J				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	1.1			0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.25	J		0.41	J				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.82	J		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.68	J		0.25	U		0.25	U		0.46	J		0.25	U		0.25	U				
Toluene	*108-88-3*	*600*	1.4			0.42	J		0.38	U		0.85	J		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	0.78	J		0.31	U		0.31	U		0.31	U		0.36	J		0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.37	J		0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	2.6			0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	3.2			0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	5.8			0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	143.9	JN		ND	U		9.6	JN		ND	U		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-28A_PDB180.8		DW-28B_PDB307.8		DW-29B_PDB286.75		DW-29C_PDB438.8		DW-30B_PDB256.75		DW-31C_PDB436.8	
		Date Sampled:	9/22/2021		9/22/2021		9/22/2021		9/22/2021		9/20/2021		9/20/2021	
		LAB Sample ID:	460243531-1-48		460243531-1-50		460243531-1-62		460243531-1-60		460243723-1-28		460243723-1-22	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	13		13		18		27		180		55	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.9	J	1.9	U	4	J	2.9	J	1.9	U	3.5	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.56	J	0.33	U	0.72	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	5.4		5.6		0.22	U	1.4		**180**		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.55	J	0.26	U	0.26	U	0.9	J	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.32	J	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U -	0.79	U -	0.79	U -	0.79	U -	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U -	0.37	U -	0.37	U -	0.37	U -	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**23**		0.93	J	**35**		**2**		**4.3**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.81	J	2.9		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.64	J	0.24	U	0.24	U	1.1		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U +	0.31	U +	0.31	U +	0.31	U +	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**2**		**66**		0.4	J	**6.3**		**7.7**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.54	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.45	J	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.44	J	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.89	J	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	5.3	JN	5	JN	17	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-32A_PDB155.75		DW-32B_PDB297.75		DW-33A_DM151.80		DW-33B_DM275.8		DW-33C_DM416.8		DW-34B_DM286.75	
		Date Sampled:	9/20/2021		9/20/2021		10/21/2021		10/21/2021		10/21/2021		10/22/2021	
		LAB Sample ID:	460243723-1-4		460243723-1-8		460245826-1-8		460245826-1-9		460245826-1-11		460245828-1-2	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	130		64		4.4	U	26		9		4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.65	J	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.1	J	3.7	J	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.43	J
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.52	J	0.49	J	0.42	J	3	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.49	J	1.4		0.76	J	0.68	J	0.84	J	13	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	2.8		11		17		1.1		1.4		**74**	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.94	J
1,1-Dichloroethene	*75-35-4*	*1*	**2.8**		**3.6**		**3.1**		0.45	J	0.44	J	**180**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	1.8		1.7		0.64	J	0.56	J	0.31	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.4	
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.39	J	0.25	U	0.51	J	0.43	J	0.25	U	**12**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	2.2		2.5		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	2.1	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	4.9	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.26	J
Trichloroethene	*79-01-6*	*1*	0.55	J	0.31	U	0.36	J	0.89	J	0.31	U	**16**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	1		**2.4**		0.17	U	0.17	U	0.26	J
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.95	J	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.46	J	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	1.41	J	0.65	U
Total VOC TIC	*SRP170*	*500*	11	JN	ND	U	ND	U	5.3	J	7	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	DW-37B_PDB296.8		DW-38A_PDB177.8		DW-38B_PDB248.8		DW-39B_PDB292.8		DW-39C_PDB492.8		DW-40A_PDB138.8	
	Date Sampled:	9/27/2021		9/20/2021		9/20/2021		9/27/2021		9/27/2021		9/21/2021	
	LAB Sample ID:	460243981-1-60		460243723-1-30		460243723-1-32		460243981-1-28		460243981-1-26		460243525-1-26	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	19		47		32		16		33		13	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	3.7	J	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.5		0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.71	J	0.22	U	1.9		0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U -
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.45	J	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.27	J	0.53	J	**12**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**1.9**		**1.5**		**1.6**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	8.3	JN	7.7	JN	ND	U	8.2	JN	11	JN	6	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-40B_PDB246.8			DW-40C_PDB396.8			DW-41C_DM426.8			DW-45A_DM121.8			DW-52A_DM126.8			DW-58A_PDB216.8					
		Date Sampled:	9/21/2021			9/21/2021			10/22/2021			10/20/2021			10/22/2021			10/20/2021					
		LAB Sample ID:	460243525-1-24			460243525-1-28			460245828-1-3			460245830-1-56			460245828-1-22			460245830-1-10					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																					
Acetone	*67-64-1*	*6000*	13			14			4.4	U		6.1			4.4	U		30					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.21	J		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.7	J				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		0.34	J		14			5.5			1.4			10					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	-	0.22	U	-	0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.34	J		0.26	U		0.37	J				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.6	J		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U		0.25	U		**4.2**			0.31	J		0.51	J		**26**					
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		1.4			0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		1.5			0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	0.31	U		0.31	U		**4**			**1.7**			0.31	U		**3.8**					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.35	J		**4.4**			**2.8**			0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		2.5			0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		1.2			0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		3.7			0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	5.4	JN		27.2	JN		ND	U		6.8	J		ND	U		5.3	J				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
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NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-64A_PDB236.8		DW-65-73-S2		DW-65-91-S3		DW-65-119-S3		DW-65-145-D1		DW-65-154-D1	
		Date Sampled:	9/22/2021		9/16/2021		9/16/2021		9/16/2021		9/16/2021		9/16/2021	
		LAB Sample ID:	460243531-1-26		460243394-1-11		460243394-1-10		460243394-1-9		460243394-1-8		460243394-1-7	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	32		4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.56	J	**2.6**		0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.3	J	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	2.7		2		0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.54	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.65	J	0.34	J	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	1.8		2.2		0.26	U	0.31	J	0.87	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	1.8		1.7		0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**4.9**		**1.7**		0.26	U	0.26	U	0.57	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	**160**		**390**		1.8		2		4.4	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**8.1**		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U +	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.33	J	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	**2.8**		**1.2**		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	6	J	ND	U	46	JN	42	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-65-176-D1		DW-65-199-D1		DW-65-221-D1		DW-65-262-D2		DW-65-350-D2		DW-67B_PDB269.5	
		Date Sampled:	9/16/2021		9/16/2021		9/16/2021		9/16/2021		9/16/2021		10/20/2021	
		LAB Sample ID:	460243394-1-6		460243394-1-5		460243394-1-4		460243394-1-3		460243394-1-2		460245830-1-16	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	24	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	14		0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.35	J	0.33	U	0.33	U	0.41	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.51	J	9.9		0.93	J	15		0.78	J	17	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1.5		4.2		0.92	J	3.1		0.93	J	2.5	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	**44**		1.4		**14**	
1,1-Dichloroethene	*75-35-4*	*1*	**1.5**		**2.2**		0.26	U	**4.6**		0.26	U	0.87	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	1.4		0.97	J	14		0.22	U	0.9	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**1.2**		0.25	U	0.25	U	**4.2**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.83	J	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.71	J	0.99	J	0.31	U	**23**		0.41	J	0.5	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.96	J	0.17	U	0.17	U	**3.2**	
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	35	JN	51	JN	ND	U	ND	U	6.1	J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:		DW-68A_PDB202.5		DW-70-83-S3		DW-70-114-S3		DW-70-123-D1		DW-70-150-D1 (A)		DW-70-150-D1 (B)	
Date Sampled:		9/20/2021		9/16/2021		9/16/2021		9/16/2021		9/16/2021		9/16/2021	
LAB Sample ID:		460243723-1-52		460243394-1-19		460243394-1-18		460243394-1-17		460243394-1-15		460243394-1-16	
LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	220		4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.3	J	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	1.9		15		14	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.66	J	1.6		0.49	J	1.2		0.83	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.7		4.7		9.9		5.2		4.6		4	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.66	J	9.8		97		94	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	2.4		23		22	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.72	J	8.7		**87**		**84**	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1.5		8.5		25		25		22		21	
1,2-Dichloroethane	*107-06-2*	*2*	**2.8**		1.3		**3.1**		1.2		0.56	J	0.54	J
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**22**		**52**		**71**		**40**		**43**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	1.4		3.6		3.2		1.8		1.7	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**4.9**		**16**		**3.6**		**4.6**		**4.7**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.5	J	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	8.3		12		1.1		0.31	U	0.96	J
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	1.1		7.8		7.6	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.82	J	0.66	J	1.6		1.5		1.6	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.43	J	**32**		**53**		**8.8**		**6.2**		**6.3**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	1		**9.3**		**9.1**	
Vinyl Chloride	*75-01-4*	*1*	**1.9**		0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	11	JN	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	DW-70-174-D1			DW-70-205-D1			DW-70-261-D2			DW-72-120-S3			DW-72-146-S3			DW-72-167-D1 (A)					
			Date Sampled:	9/16/2021			9/16/2021			9/16/2021			9/16/2021			9/16/2021			9/16/2021					
			LAB Sample ID:	460243394-1-14			460243394-1-13			460243394-1-12			460243394-1-27			460243394-1-26			460243394-1-24					
			LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																						
Acetone	*67-64-1*	*6000*	4.4	U		4.4	U		4.4	U		4.4	U		4.4	U		4.4	U				
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		6.7			0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	2.2			0.59	J		0.45	J		1.2			0.33	U		0.39	J				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	4.1			0.44	J		6.1			0.22	U		0.22	U		0.22	U				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	19			1.1			5.2			0.26	U		0.26	U		0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.48	J		0.43	U		**3.2**			0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	**42**			**3**			**9.1**			0.26	U		0.26	U		0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		2.1			0.22	U		0.22	U		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	**5.8**			0.78	J		**4.9**			**4.4**			**50**			**9.3**					
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	1.6			0.31	U		1.2			0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.93	J		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	1.4			0.24	U		0.37	J		0.24	U		0.24	U		0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	**6.6**			0.73	J		**16**			0.31	U		0.67	J		0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		6.4	JN		ND	U		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	DW-72-167-D1 (B)		DW-72-176-D1		DW-72-217-D1		DW-72-237-D1		DW-72-316-D2		IW-157C2_DM95.0	
	Date Sampled:	9/16/2021		9/16/2021		9/16/2021		9/16/2021		9/16/2021		10/22/2021	
	LAB Sample ID:	460243394-1-25		460243394-1-23		460243394-1-22		460243394-1-21		460243394-1-20		460245828-1-20	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	6.2	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.39	J	0.97	J	0.75	J	0.96	J	0.35	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	1.2		11	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**9.1**		**65**		**19**		**39**		**140**		**1.1**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	**54**		0.44	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.75	J
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	IW-168B_DM43.5		IW-168C1_PDB68.5		IW-168C2_PDB93.5 (A)		IW-168C2_PDB93.5 (B)		IW-197A_PDB26.3 (A)		IW-197A_PDB26.3 (B)	
		Date Sampled:	10/22/2021		10/22/2021		10/22/2021		10/22/2021		10/21/2021		10/21/2021	
		LAB Sample ID:	460245828-1-10		460245828-1-15		460245828-1-11		460245828-1-13		460245826-1-23		460245826-1-25	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	29		27		27		28		22	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	**31**		**29**	
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.39	J	0.38	U	**400**		**390**	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.5	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	2.8		3		32		33		0.27	J	0.41	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.84	J	0.52	J	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.61	J	0.62	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	1		1		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.4	J	0.25	U	**240**		**250**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.98	J	0.38	J	**13**		**12**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.32	J	**3.2**		0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	7.3		ND	U	ND	U	13.8	JN	13.2	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	IW-199B_DM40.6			MW-1G_PDB10.75			MW-2G_PDB10.75			MW-15A_DM13.25			MW-16_PDB10.5(A)			MW-16_PDB10.5(B)	
		Date Sampled:	10/21/2021			9/22/2021			9/22/2021			10/22/2021			9/20/2021			9/20/2021	
		LAB Sample ID:	460245826-1-27			460243531-1-4			460243531-1-2			460245828-1-24			460243723-1-12			460243723-1-13	
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***																	
Acetone	*67-64-1*	*6000*	14			24			46			4.4	U		35			32	
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		3.7	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U
Chlorobenzene	*108-90-7*	*50*	44			0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Chloroform	*67-66-3*	*70*	0.33	U		1.4			0.81	J		0.33	U		0.33	U		0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.91	J		4			0.27	J		0.22	U		0.22	U		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.52	J		0.32	U		0.32	U		0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		12			1.3			0.26	U		0.26	U		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		**18**			**1.8**			0.26	U		0.26	U		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U -		0.79	U		0.79	U		0.79	U		0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U -		0.37	U		0.37	U		0.37	U		0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U		**4**			0.37	J		0.25	U		0.25	U		0.25	U
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U +		0.31	U		0.31	U		0.31	U		0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		1.8			0.24	U		0.24	U		0.24	U		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U
Trichloroethene	*79-01-6*	*1*	0.42	J		**10**			0.74	J		0.31	U		0.31	U		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.66	J		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U
Total VOC TIC	*SRP170*	*500*	42.1	JN		ND	U		ND	U		13	J		ND	U		ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:			MW-22A_PDB40.75		MW-24_PDB32.0		MW-24C_PDB40.0		MW-43_PDB21.85		MW-44_DM16.0		MW-44B_DM41.75	
Date Sampled:			10/20/2021		9/27/2021		10/20/2021		9/21/2021		10/21/2021		10/21/2021	
LAB Sample ID:			460245830-1-40		460243981-1-72		460245830-1-34		460243525-1-2		460245826-1-31		460245826-1-32	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	31		32		32		20		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.41	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.82	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.69	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	1.1	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	1.1	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	3.7	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	1.6	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.42	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	3.1		0.39	J	2.1		0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.4	J	0.62	J	0.54	J B	0.94	J B
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.8	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.1		22		**560**		0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.44	U	0.22	U -	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.33	J	0.64	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.75*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.56	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*1*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	1.2	J	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.68	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.67	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1.3		0.26	U	0.53	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	1.3	J	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**2.6**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.71	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.6	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	2.3	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.67	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	1.6	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.49	J	0.22	U	0.43	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	2.6	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	1.4	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.63	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.83	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**25**		**6.1**		0.25	U	0.35	J	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.76	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	2.8		0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.45	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.71	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.48	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.41	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.45	J	**7.4**		**1.9**	J	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.65	J	**2.1**		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.59	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.72	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	1.3	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	12	JN	7.9	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:			MW-44C_DM76.75		MW-46_PDB58.75		MW-58_PDB33.75		MW-80C_PDB15.5		MW-102_DM11.10		MW-104B_PDB30.1	
Date Sampled:			10/21/2021		10/20/2021		9/20/2021		9/27/2021		10/22/2021		9/27/2021	
LAB Sample ID:			460245826-1-33		460245830-1-52		460243723-1-16		460243981-1-70		460245828-1-21		460243981-1-24	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	25		30		28		4.4	U	22	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	2.9	J	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	**4.9**		0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.65	J B	0.41	J	0.33	U	4.1		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	**350**		1.3		5.9	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.44	J
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.47	J	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**140**		**4**		0.31	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	2.9		0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**49**		0.36	J	**2.2**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	**31**		0.17	U	0.34	J -
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	13.5	J	ND	U	8.3	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	MW-105A_PDB7.9		MW-105B_PDB35.0		MW-106A_PDB9.4		MW-106B_PDB31.2		MW-112A_DM7.25		MW-114_PDB75.4	
	Date Sampled:	10/25/2021		10/25/2021		9/27/2021		9/27/2021		10/25/2021		10/20/2021	
	LAB Sample ID:	460246008-1-23		460246008-1-25		460243981-1-20		460243981-1-22		460246008-1-16		460245830-1-2	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	28		23		31		16		4.4	U	53	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	3.8	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	1.2		1.8	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	2.3		0.47	J	0.44	J	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.46	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.28	J	0.56	J	5		0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.67	J	0.36	J	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	**120**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.48	J	0.31	U	0.31	U	0.64	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	J	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	**2.3**		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	8.7	J	5.1	J	ND	U	7.5	J	ND	U	12	J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-114A_PDB71.8		MW-117_PDB71.25 (A)		MW-117_PDB71.25 (B)		MW-120_PDB76.75 (A)		MW-120_PDB76.75 (B)		MW-124A_PDB23.0	
		Date Sampled:	10/20/2021		10/20/2021		10/20/2021		10/21/2021		10/21/2021		9/27/2021	
		LAB Sample ID:	460245830-1-4		460245830-1-36		460245830-1-38		460245826-1-2		460245826-1-4		460243981-1-54	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	76		47		44		19		17		30	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	2.4		0.33	U	0.33	U	0.51	J	0.38	J	5.2	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	10	JN	6.3	J	5.9	J	26.2	JN	23.6	JN	10	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-124B_PDB25.75 (A)			MW-124B_PDB25.75 (B)			MW-126_PDB8.5			MW-126B_PDB41.8			MW-126C_PDB76.8			MW-131_PDB14.45					
		Date Sampled:	9/27/2021			9/27/2021			9/21/2021			9/21/2021			9/21/2021			9/27/2021					
		LAB Sample ID:	460243981-1-56			460243981-1-57			460243525-1-34			460243525-1-36			460243525-1-32			460243981-1-46					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																						
Acetone	*67-64-1*	*6000*	24			23			15			13			20			15					
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.33	U		0.4	J		0.49	J		0.33	U				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		0.22	U		1.7			3.9			5.9			0.22	U				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U	-	0.22	U	-	0.22	U	-	0.22	U				
Cyclohexane	*110-82-7*	*100*	0.4	J		0.43	J		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		3.3			8.4			13			0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		**3.5**			**13**			**17**			0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.38	J		0.55	J		0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U		0.25	U		0.31	J		**1.7**			**2.7**			0.25	U				
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.72	J		1.2			0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	0.31	U		0.31	U		**1.9**			**4.9**			**8.2**			0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.22	J		0.17	U		0.17	U	-			
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	12	JN		13	JN		5.7	JN		7.7	JN		8.4	JN		5.5	J				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	MW-131B_PDB33.8		MW-131C_PDB76.8		MW-136_PDB14.0		MW-136B_PDB45.0		MW-136C_PDB95.0		MW-143_PDB18.65	
	Date Sampled:	9/27/2021		9/27/2021		9/20/2021		9/20/2021		9/20/2021		9/27/2021	
	LAB Sample ID:	460243981-1-48		460243981-1-44		460243723-1-46		460243723-1-48		460243723-1-50		460243981-1-40	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	18		16		76		110		62		21	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.93	J	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	3.4	J	3.2	J	2.8	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.51	J	2.1		0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.42	J	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U -	0.17	U -	0.17	U	0.17	U	0.17	U	0.17	U -
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	5.5	JN	5.7	JN	ND	U	7.1	JN	7.5	JN	6	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:	MW-143B_PDB46.8		MW-143C_PDB76.8		MW-145A_PDB24.3		MW-146A_DM23.3		MW-146B_DM53.75		MW-146C_DM66.75	
Date Sampled:	9/27/2021		9/27/2021		9/27/2021		10/25/2021		10/25/2021		10/25/2021	
LAB Sample ID:	460243981-1-36		460243981-1-38		460243981-1-8		460246008-1-22		460246008-1-21		460246008-1-20	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	19		34		19		4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.4		1.1		0.33	U	0.33	U	0.33	U	0.52	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.6	J	0.22	U	0.22	U	0.22	U	0.22	U	4.4	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	1.2		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**29**		**9.6**		0.25	U	0.25	U	0.25	U	**56**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.84	J	0.74	J	0.31	U	0.31	U	0.31	U	**2.5**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U -	0.17	U -	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	5.7	JN	7	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
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Values in italics indicate MDL above applicable criterion.

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Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	MW-148A_PDB24.35		MW-148B_PDB44.85		MW-170AR_PDB15.25		MW-170BR_PDB35.0		MW-171A_PDB26.75		MW-171B_PDB46.75	
			Date Sampled:	9/27/2021		9/27/2021		10/20/2021		10/20/2021		9/27/2021		9/27/2021	
			LAB Sample ID:	460243981-1-50		460243981-1-52		460245830-1-22		460245830-1-20		460243981-1-4		460243981-1-6	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*	32		26		61		30		20		21	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	4.5	J	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	2		0.33	U	0.39	J	0.33	U	0.55	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	2.9		16		18		14	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.36	J	0.56	J	0.62	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**120**		**370**		**280**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**6.5**		**7.9**		**6.5**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U -	0.17	U -	**1.8**		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	5.3	J	8.9	JN	ND	U	ND	U	6.5	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:	MW-171C_PDB66.75		MW-172_PDB37.0		MW-174_PDB34.75		MW-201_PDB28.75		MW-201A_PDB21.75		MW-201B_PDB41.8	
Date Sampled:	9/27/2021		10/25/2021		10/20/2021		9/22/2021		9/22/2021		9/22/2021	
LAB Sample ID:	460243981-1-2		460246008-1-27		460245830-1-18		460243531-1-24		460243531-1-22		460243531-1-10	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	31		25		18		24		18		48	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.41	U	0.2	U	0.41	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.82	U	0.41	U	0.82	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.69	U	0.34	U	0.69	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	1.1	U	0.54	U	1.1	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	1.1	U	0.55	U	1.1	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	3.7	U	1.9	U	3.7	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	1.6	U	0.82	U	1.6	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.42	U	0.21	U	0.42	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	6.7		7.3		4.9	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.64	U
Chloroform	*67-66-3*	*70*	1		0.33	U	0.33	U	0.65	U	0.33	U	0.65	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.8	U	0.4	U	0.8	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	17		0.22	U	1		**190**		**320**		**110**	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.44	U	0.22	U	0.44	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.64	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.75*	U	*0.38*	U	*0.75*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.56	U	0.28	U	0.56	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*1*	U	*0.5*	U	*1*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	7.6		8.5		4.8	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.68	U	0.34	U	0.68	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	1.6	J	2		0.97	J
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.62	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.53	U	0.26	U	0.53	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	1.9	J	1.2		**2.6**	
1,1-Dichloroethene	*75-35-4*	*1*	0.88	J	0.26	U	0.26	U	**2.6**		**6.4**		**1.1**	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.71	U	0.35	U	0.71	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.6	U	0.3	U	0.6	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	2.3	U	1.1	U	2.3	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.67	U	0.34	U	0.67	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	1.6	U +	0.79	U +	1.6	U +
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.43	U	0.22	U	0.43	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	2.6	U	1.3	U	2.6	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	1.4	U	0.71	U	1.4	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.63	U	0.32	U	0.63	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.83	U	0.42	U	0.83	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.73	U
Tetrachloroethene	*127-18-4*	*1*	**400**		0.25	U	0.25	U	**670**		**210**		**770**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.76	U	0.38	U	0.76	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.88	J	1.7		0.52	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.45	U	0.22	U	0.45	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.62	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.71	U +	0.36	U +	0.71	U +
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.48	U	0.24	U	0.48	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.41	U	0.2	U	0.41	U
Trichloroethene	*79-01-6*	*1*	**9**		0.31	U	0.44	J	**170**		**200**		**89**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.64	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.73	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	**1.3**	J	**9.8**		0.63	J
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.59	U	0.3	U	0.59	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.72	U	0.36	U	0.72	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	1.3	U	0.65	U	1.3	U
Total VOC TIC	*SRP170*	*500*	5.1	JN	ND	U	ND	U	11	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:			MW-201C_PDB92.8		MW-204C_DM61.75		MW-206B_PDB46.75		MW-206C_PDB76.75		MW-207A_PDB6.75		MW-207B_PDB44.75	
Date Sampled:			9/22/2021		10/22/2021		10/20/2021		10/20/2021		9/21/2021		9/21/2021	
LAB Sample ID:			460243531-1-12		460245828-1-8		460245830-1-32		460245830-1-30		460243525-1-14		460243525-1-12	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	20		4.4	U	74		40		16		24	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	3.9	J	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.97	J	1.3		0.65	J	1	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.7		2.5		0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U -	0.22	U -
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**95**		**41**		0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U +	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.96	J	0.73	J	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.31	J	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	7.2	J	ND	U	5.6	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:	MW-207C_PDB61.75		MW-209A_PDB14.75		MW-209B_PDB36.75		MW-213B_DM46.75		MW-213C_DM76.75		MW-214A_DM23.25	
Date Sampled:	9/21/2021		9/22/2021		9/22/2021		10/25/2021		10/25/2021		10/21/2021	
LAB Sample ID:	460243525-1-10		460243531-1-6		460243531-1-8		460246008-1-3		460246008-1-4		460245826-1-35	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	26		51		31		4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.62	J	0.33	U	1.1		0.98	J	0.38	J	1.3	B
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U -	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.99	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.5	J	0.26	U	0.26	U	0.85	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.37	J	0.26	U	0.87	J	0.26	U	0.26	U	0.9	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.32	J	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.59	J	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:			MW-214B_DM41.75		MW-214C_DM66.75		MW-215C_DM76.75		MW-216C_DM71.75		MW-222_DM71.75		MW-222C_DM253.75	
Date Sampled:			10/21/2021		10/21/2021		10/22/2021		10/25/2021		10/25/2021		10/25/2021	
LAB Sample ID:			460245826-1-34		460245826-1-36		460245828-1-29		460246008-1-17		460246008-1-7		460246008-1-8	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	6.7		4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	1.4	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.8	J B	0.9	J B	0.89	J	1		4.3		0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.7		2		0.22	U	6.6		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	19		9.3		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**20**		**12**		0.26	U	0.36	J	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**1.4**		**1.8**		0.25	U	**84**		**1.9**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	2.4		1.3		0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**2.7**		**1.9**		0.31	U	**3.5**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-230C_DM66.75		MW-236B_DM34.75		MW-236C_DM54.75		MW-237A_PDB27.5		MW-237C_PDB111.75		MW-238C_DM76.75	
		Date Sampled:	10/21/2021		10/25/2021		10/25/2021		9/20/2021		9/20/2021		10/22/2021	
		LAB Sample ID:	460245826-1-13		460246008-1-5		460246008-1-6		460243723-1-20		460243723-1-18		460245828-1-17	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	37		38		4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	**7.1**		0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	3.5	J	2.8	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.74	J	1.1		1.3		0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.3		0.22	U	0.22	U	0.22	U	0.22	U	0.93	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	29		0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.37	J
1,1-Dichloroethane	*75-34-3*	*50*	20		0.26	U	0.58	J	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**17**		0.26	U	**1.1**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	45		0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	20		0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.1		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	12		0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**1.9**		0.25	U	0.31	J	0.25	U	0.25	U	0.53	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	4.3		0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	6.6		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**1.8**		0.31	U	0.72	J	0.31	U	0.31	U	0.45	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.44	J	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	21		0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	2		0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	23		0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	**1714**	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-243B_PDB48.5		MW-257A_PDB27.0		MW-257B_PDB46.75		MW-258B_DM80.75		MW-258C_DM106.75		MW-259BR_DM42.5	
		Date Sampled:	10/20/2021		10/25/2021		10/25/2021		10/25/2021		10/25/2021		10/21/2021	
		LAB Sample ID:	460245830-1-42		460246008-1-14		460246008-1-12		460246008-1-9		460246008-1-10		460245826-1-16	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	25		19		17		4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.48	J	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.53	J	1.2	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	38		0.22	U	0.31	J	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.52	J	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**300**		0.25	U	**4.8**		**1.1**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**11**		0.31	U	0.48	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.44	J	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	7.1	JN	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:	MW-260C_PDB62.0		MW-260-S3_PDB121.8		MW-265B_PDB41.75		MW-265C_PDB91.8		MW-266A_PDB34.75		MW-266B_PDB61.95	
Date Sampled:	9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021	
LAB Sample ID:	460243723-1-38		460243723-1-40		460243723-1-26		460243723-1-24		460243723-1-10		460243723-1-2	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	40		21		200		87		65		63	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	2.7	J	3.7	J	4.2	J	3.8	J	3.1	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	7.9	
Chloroform	*67-66-3*	*70*	2.1		2.6		0.4	J	0.95	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	1.3		0.42	J	0.22	U	0.8	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.85	J	0.78	J	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	31	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.44	J
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**1.3**		0.26	U	0.76	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	5.7	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**8.9**		**7.8**		**27**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.53	J	0.6	J	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	**4.4**	
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	19	JN	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	MW-266C_PDB86.85		MW-267A_DM47.75		MW-267B_DM96.75		MW-269A_PDB55.0		MW-269C_PDB121.8		MW-270A_PDB59.5	
	Date Sampled:	9/20/2021		10/22/2021		10/25/2021		9/20/2021		9/20/2021		9/27/2021	
	LAB Sample ID:	460243723-1-6		460245828-1-1		460246008-1-2		460243723-1-36		460243723-1-34		460243981-1-62	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	26		4.4	U	4.4	U	17		57		26	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	2.9	J	1.9	U	1.9	U	1.9	U	3	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	3.7		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.4	J	0.37	J	1.8		0.69	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.2		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.39	J	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	**74**		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.51	J	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**1.3**		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	2.8		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.44	J	0.31	J	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.3	J	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**1.4**		1		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	**6**		0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	5.5	JN	8.5	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:	MW-271A_PDB56.8		MW-271B_PDB91.8		MW-271C_PDB126.8		MW-273B_DM41.8		MW-273C_DM92.80		MW-274A_PDB11.8	
Date Sampled:	9/22/2021		9/22/2021		9/22/2021		10/21/2021		10/21/2021		10/20/2021	
LAB Sample ID:	460243531-1-44		460243531-1-46		460243531-1-42		460245826-1-10		460245826-1-12		460245830-1-28	
LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	21		17		22	U	4.4	U	4.4	U	26	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	1	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	2.1	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	*1.7*	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	2.7	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	2.8	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.6	J	5.7		9.3	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	4.1	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	1	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	1.9	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.57	J	1.6	U	0.55	J	0.9	J	0.52	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	2	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*1.9*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	*1.4*	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*2.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	1.1	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	1.7	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	1.7	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	1.6	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	1.3	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	*2.2*	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	*1.3*	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	*1.8*	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	1.5	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	5.7	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	1.7	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U -	3.9	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	6.5	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	3.5	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	2.1	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U -	*1.8*	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**1.1**		***1100***		0.64	J	**4.5**		**8.4**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	1.9	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	1.2	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U +	1.6	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	1.8	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	1.2	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	1	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	***2***	J	0.31	U	**1.1**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	1.8	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.86	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	1.5	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	1.8	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	3.3	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:			MW-274B_PDB56.80		MW-274C_PDB91.8		MW-275B_PDB36.8		MW-276A_PDB26.8		MW-276B_PDB51.8		MW-276C_PDB86.8	
Date Sampled:			10/20/2021		10/20/2021		9/21/2021		9/27/2021		9/27/2021		9/27/2021	
LAB Sample ID:			460245830-1-26		460245830-1-24		460243525-1-30		460243981-1-34		460243981-1-32		460243981-1-30	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	40		75		17		36		21		25	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.83	J	0.59	J	1.4		0.39	J	0.79	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	6.7		0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U -	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.54	J	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	20		0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**38**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.79	J	0.99	J	**7.1**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	3.6		0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.51	J	**19**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	13	J	6.8	JN	12	JN	6.5	JN	6.6	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-288B_DM41.8		MW-295A_PDB17.5		MW-295C_PDB80.0		MW-304A_PDB17.5 (A)		MW-304A_PDB17.5 (B)		MW-304B_PDB37.5	
		Date Sampled:	10/22/2021		9/27/2021		9/27/2021		9/27/2021		9/27/2021		9/27/2021	
		LAB Sample ID:	460245828-1-9		460243981-1-74		460243981-1-76		460243981-1-12		460243981-1-13		460243981-1-10	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	29		26		29		31		25	
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.45	J	0.33	U	0.33	U	0.33	U	0.33	U	0.37	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	5.1		3.5		43		23		22		28	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.43	J	0.26	U	0.26	U	0.39	J	0.27	J	0.79	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**130**		0.39	J	**8.5**		**22**		**23**		**350**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.26	J	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	**2.2**		0.99	J	**1.6**		**4.5**		**4.5**		**12**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.37	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.6	J	**4**		0.36	J	0.31	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	6.3	JN	6	J	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-304C_PDB72.5 (A)			MW-304C_PDB72.5 (B)			MW-347B_PDB46.8			MW-348B_PDB51.8			MW-349B_PDB41.8			MW-349C_PDB91.8					
		Date Sampled:	9/27/2021			9/27/2021			9/21/2021			9/21/2021			9/21/2021			9/21/2021					
		LAB Sample ID:	460243981-1-16			460243981-1-17			460243525-1-18			460243525-1-38			460243525-1-20			460243525-1-22					
		LAB:	Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																						
Acetone	*67-64-1*	*6000*	23			22			18			18			34			16						
Benzene	*71-43-2*	*1*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		14			1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		5					
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	0.89	J		0.85	J		0.83	J		0.85	J		1.1			0.66	J				
Chloromethane	*74-87-3*	*100*	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	19			20			1.8			4.7			3.5			7					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U	-	0.22	U	-	0.22	U	-	0.22	U	-			
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U		*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		7.8			18			12			20					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.79	J		0.84	J		**12**			**31**			**20**			**27**					
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.99	J				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	**350**			**340**			**1.8**			**1.5**			**3.2**			**1.8**					
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.31	J		0.24	U		0.24	U		0.24	U		0.24	U		0.26	J				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		1.5			2.8			2.5			1.7					
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U				
Trichloroethene	*79-01-6*	*1*	**10**			**10**			**3.2**			**4.4**			**5.6**			**7.5**					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.34	J				
m,p-Xylene	*179601-23-1*	*--*	0.3	U		0.3	U		0.3	U		0.3	U		0.3	U		0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		5.1	J		8	JN		12.7	J		5.7	JN				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:		MW-353A_PDB49.25		MW-353B_PDB76.3		MW-353C_PDB124.25		MW-357A_PDB20.0		MW-366B_DM41.80	
			Date Sampled:	10/20/2021	9/22/2021		9/22/2021		9/22/2021		10/20/2021		10/22/2021	
			LAB Sample ID:	460245830-1-12	460243531-1-32		460243531-1-30		460243531-1-28		460245830-1-54		460245828-1-23	
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	42		29		23		26		39		4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.35	J	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	4	J	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.6	J	1.4		0.33	U	0.71	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.4	J	0.22	U	0.22	U	0.22	U	0.22	U	0.48	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U +	0.79	U -	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U -	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.31	J	0.25	U	**410**		0.25	U	**69**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U +	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U +	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**1.8**		0.31	U	0.52	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	7.1	J	ND	U	5.2	JN	ND	U	5.5	J	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:		MW-373B_PDB73.75		MW-373C_PDB114.75		MW-375A_PDB50.75 (A)		MW-375A_PDB50.75 (B)		MW-375B_PDB69.8		MW-375C_PDB126.8	
			Date Sampled:		10/20/2021		10/20/2021		9/22/2021		9/22/2021		9/22/2021		9/22/2021	
			LAB Sample ID:		460245830-1-8		460245830-1-6		460243531-1-56		460243531-1-57		460243531-1-54		460243531-1-52	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	24		34		22		28		19		22	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	1	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	2.1	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	*1.7*	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	2.7	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	2.8	U
2-Butanone (MEK)	*78-93-3*	*300*	3.2	J	1.9	U	1.9	U	4	J	1.9	U	9.3	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	4.1	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	1	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	1.9	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U
Chloroform	*67-66-3*	*70*	1.4		0.98	J	0.33	U	0.33	U	0.39	J	1.6	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	2	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	4.2		0.22	U	0.22	U	0.22	U	1.1	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.33	J	0.5	J	0.32	U	0.32	U	1.6	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*1.9*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	*1.4*	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*2.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	1.1	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	1.7	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	1.7	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	1.6	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	1.3	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	*2.2*	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	*1.3*	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	*1.8*	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	1.5	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	5.7	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	1.7	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U -	0.79	U -	0.79	U	3.9	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	6.5	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	3.5	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	2.1	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U -	0.37	U -	0.37	U	*1.8*	U
Tetrachloroethene	*127-18-4*	*1*	**130**		**22**		0.25	U	0.25	U	0.25	U	***1400***	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	1.9	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	1.2	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U +	0.31	U +	0.31	U	1.6	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	1.8	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	1.2	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	1	U
Trichloroethene	*79-01-6*	*1*	0.71	J	**3.3**		0.31	U	0.31	U	0.31	U	***2.3***	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	1.8	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.59	J	0.17	U	0.17	U	0.17	U	0.86	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	1.5	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	1.8	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	3.3	U
Total VOC TIC	*SRP170*	*500*	6.9	J	7.9	J	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:			MW-376B_PDB81.0		MW-376C_PDB119.8		MW-377B_PDB86.8		MW-377C_PDB109.8		MW-383A_PDB17.5		MW-391C_PDB115.0	
Date Sampled:			9/22/2021		9/22/2021		9/20/2021		9/20/2021		9/27/2021		10/20/2021	
LAB Sample ID:			460243531-1-36		460243531-1-34		460243723-1-42		460243723-1-44		460243981-1-78		460245830-1-14	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	18		45		54		24		69		25	
Benzene	*71-43-2*	*1*	0.2	U	1	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	2.1	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	*1.7*	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	2.7	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	2.8	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	9.3	U	2.9	J	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	4.1	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	1	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	1.6	U	2.1		1.5		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	2	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	1.1	U	0.22	U	0.33	J	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*1.9*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	*1.4*	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*2.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	1.1	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	1.7	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	1.6	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	1.3	U	0.26	U	0.26	U	0.26	U	0.29	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	*2.2*	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	*1.3*	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	*1.8*	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	1.5	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	5.7	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U -	3.9	U +	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.31	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	6.5	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	3.5	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	2.1	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U -	*1.8*	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	***1100***		**55**		**340**		**1.8**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U +	1.6	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	1.8	U +	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	1	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	***1.8***	J	0.34	J	0.97	J	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	1.8	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.86	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	1.5	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	1.8	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	3.3	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	5.2	JN	ND	U	5.4	JN	ND	U	7.5	JN	58.2	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:		MW-394C_DM98.0		MW-416A_PDB34.8 (A)		MW-416A_PDB34.8 (B)		MW-416B_PDB49.25		MW-416C_PDB105.0		MW-453C2_DM97.5	
			Date Sampled:		10/21/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		10/22/2021	
			LAB Sample ID:		460245826-1-6		460243723-1-58		460243723-1-59		460243723-1-56		460243723-1-54		460245828-1-19	
			LAB:		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***														
Acetone	*67-64-1*	*6000*	4.4	U	110		110		60		66		4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	2.8	J	2.6	J	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.73	J	0.64	J	0.38	U	25		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.45	J	0.33	U	0.33	U	0.33	U	0.33	U	1.3	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.3	J	0.22	U	0.22	U	2.1	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	2.1		2.1		1		0.51	J	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.5		0.74	J	0.68	J	1.1		0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**180**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	**1.7**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.9	J	0.77	J	0.24	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.3	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	34	JN	11	JN	7.3	JN	ND	U	20	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

| | | |

Attachment 1

1,4-Dioxane in Groundwater – 1Q 2021 and 3Q 2021

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	66RI-MW4_RPPS16.5	131RI-MW1_RPPS16.5	138RI-MW1R_RPPS24.5	187RI-MW2_RPPS8.7	ART-MW-6BR_RPPS40.0	2B_RPPS132.75
		Date Sampled:	3/22/2021	3/22/2021	3/25/2021	3/25/2021	4/7/2021	3/25/2021
		LAB Sample ID:	460230909-1-3	460230909-1-5	460230959-1-31	460230959-1-81	460231797-1-47	460230959-1-17
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**1.8**	0.39 J	**0.76**	0.33 U	**0.8**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	DW-2-D2_RPPS276.83		B_RPPS113.75	DW-		D2_RPPS286.84	DW-3-		C_RPPS138.754	DW-		D_RPPS446.756	DW-		B_RPPS111.75	DW-
			Date Sampled:	3/25/2021		3/29/2021			3/29/2021			4/7/2021			4/7/2021			4/6/2021	
			LAB Sample ID:	460230959-1-13		460231093-1-13			460231093-1-7			460231797-1-25			460231797-1-21			460231802-1-9	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison			Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***																	
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U		0.33	U		0.33	U		**1.6**			**0.5**			0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-6C_RPPS287.756		DW-D_RPPS494.75		DW-7A_RPPS123.87		DW-B_RPPS171.757		DW-C_RPPS341.757	DW-D_RPPS426.75
		Date Sampled:	4/6/2021		4/6/2021		4/8/2021		4/8/2021		4/8/2021	4/8/2021
		LAB Sample ID:	460231802-1-15		460231802-1-16		460231790-1-19		460231790-1-21		460231790-1-17	460231790-1-15
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**1.1**		**0.79**		0.33	U	0.33	U	0.33	U 0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	DW-8A_RPPS117.75		DW-8B_RPPS188.75		DW-8C_RPPS303.75		DW-9A_RPPS91.75		DW-11B_RPPS96.75		DW-11D_RPPS446.75	
	Date Sampled:	3/23/2021		3/22/2021		3/22/2021		4/6/2021		4/7/2021		4/8/2021	
	LAB Sample ID:	460230909-1-21		460230909-1-19		460230909-1-17		460231802-1-29		460231797-1-17		460231790-1-27	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**0.43**		0.33	U	0.38	J	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-12A_RPPS130.7 5	DW-12B_RPPS182.7 5	DW-12CR_RPPS516.8	DW-13-D2_RPPS241.8	DW-16A_RPPS216.7 5	DW-16B_RPPS293.7 5
		Date Sampled:	4/7/2021	4/7/2021	4/7/2021	3/25/2021	3/25/2021	3/25/2021
		LAB Sample ID:	460231797-1-35	460231797-1-37	460231797-1-41	460230959-1-95	460230959-1-35	460230959-1-39
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**22**	**12**	**0.74**	0.33 U	**2.9**	**1.9**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-16C_RPPS434.7175		DW-16C_RPPS116.75		DW-24_RPPS171.75		DW-27B_RPPS291.725		DW-27C_RPPS421.8 (A)		DW-27C_RPPS421.8 (B)	
		Date Sampled:	3/22/2021		3/29/2021		4/7/2021		3/25/2021		3/25/2021		3/25/2021	
		LAB Sample ID:	460230909-1-11		460231093-1-3		460231797-1-67		460230959-1-59		460230959-1-56		460230959-1-57	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**0.58**		0.33	U	0.33	U	**5.4**		**0.73**		**1.8**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-28A_RPPS180.8		DW-28B_RPPS307.8		DW-29C_RPPS286.75		DW-30B_RPPS438.8		DW-31C_RPPS256.75	DW-C_RPPS436.8
		Date Sampled:	3/25/2021		3/25/2021		3/25/2021		3/25/2021		3/26/2021	3/26/2021
		LAB Sample ID:	460230959-1-41		460230959-1-37		460230959-1-87		460230959-1-83		460230959-1-124	460230959-1-107
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33 U	**11**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	DW-32A_RPPS155.735	DW-32B_RPPS297.735	DW-3A_RPPS151.830	DW-3B_RPPS275.833	DW-3C_RPPS416.833 (A)	DW-3C_RPPS416.8 (B)
			Date Sampled:	3/26/2021	3/26/2021	3/25/2021	3/25/2021	3/25/2021	3/25/2021
			LAB Sample ID:	460230959-1-145	460230959-1-141	460230959-1-5	460230959-1-9	460230959-1-21	460230959-1-24
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*		**35**	**7.4**	**8**	**9.6**	**5.9**	**3**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	DW-34B_RPPS286.735	DW-37B_RPPS296.838	DW-A_RPPS177.838	DW-B_RPPS248.839	DW-B_RPPS292.839	DW-C_RPPS492.8
	Date Sampled:	3/26/2021	3/29/2021	3/29/2021	3/29/2021	3/29/2021	3/29/2021
	LAB Sample ID:	460230959-1-103	460231093-1-43	460231093-1-33	460231093-1-31	460231093-1-49	460231093-1-47
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	***69***	0.33 U	0.33 U	***2.5***	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	DW-40A_RPPS138.840		DW-B_RPPS246.840		DW-C_RPPS396.841		DW-C_RPPS426.845		DW-A_RPPS121.852		DW-A_RPPS126.8	
			Date Sampled:	3/26/2021		3/26/2021		3/26/2021		4/6/2021		4/6/2021		4/8/2021	
			LAB Sample ID:	460230959-1-121		460230959-1-119		460230959-1-125		460231802-1-25		460231802-1-40		460231790-1-65	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**0.99**		**14**		0.33	U	**1.1**		**0.8**		

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-58A_RPPS216.8		64A_RPPS236.8		DW-65-73-S2		DW-65-91-S3		DW-65-119-S3	DW-65-145-D1
		Date Sampled:	4/8/2021		4/8/2021		3/18/2021		3/18/2021		3/18/2021	3/18/2021
		LAB Sample ID:	460231790-1-47		460231790-1-8		460230456-1-11		460230456-1-10		460230456-1-9	460230456-1-8
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**0.41**		0.33	U	**22**		**32**		***180***	***170***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-65-154-D1	DW-65-176-D1	DW-65-199-D1	DW-65-221-D1	DW-65-262-D2	DW-65-350-D2
		Date Sampled:	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021
		LAB Sample ID:	460230456-1-7	460230456-1-6	460230456-1-5	460230456-1-4	460230456-1-3	460230456-1-2
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	***68***	**37**	***93***	***85***	**7.9**	**32**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	DW-67B_RPPS269.568	A_RPPS202.5	DW-70-83-S3	DW-70-114-S3	DW-70-123-D1	DW-70-150-D1 (A)
			Date Sampled:	4/6/2021	4/7/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021
			LAB Sample ID:	460231802-1-55	460231797-1-20	460230456-1-19	460230456-1-18	460230456-1-17	460230456-1-15
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**7.2**		**9.4**	**8.8**	**26**	**42**	**12**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-70-150-D1 (B)	DW-70-174-D1	DW-70-205-D1	DW-70-261-D2	DW-72-120-S3	DW-72-146-S3
		Date Sampled:	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021	3/18/2021
		LAB Sample ID:	460230456-1-16	460230456-1-14	460230456-1-13	460230456-1-12	460230456-1-27	460230456-1-26
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**10**	**14**	**1.2**	**42**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	DW-72-167-D1 (A)		DW-72-167-D1 (B)		DW-72-176-D1		DW-72-217-D1		DW-72-237-D1		DW-72-316-D2	
		Date Sampled:	3/18/2021		3/18/2021		3/18/2021		3/18/2021		3/18/2021		3/18/2021	
		LAB Sample ID:	460230456-1-24		460230456-1-25		460230456-1-23		460230456-1-22		460230456-1-21		460230456-1-20	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	IW-157C2_RPPS95.1680		IW-168B_RPPS43.5		IW-168C1_RPPS68.1685(A)		IW-168C1_RPPS68.1685(B)		IW-168C2_RPPS93.1975		IW-197A_RPPS26.3	
		Date Sampled:	4/8/2021		3/26/2021		3/26/2021		3/26/2021		3/26/2021		4/8/2021	
		LAB Sample ID:	460231790-1-55		460230959-1-147		460230959-1-138		460230959-1-139		460230959-1-143		460231790-1-37	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**0.45**		**0.58**		**0.55**		**2.3**		**19**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	IW-199B_RPPS40.6	MW-1G_RPPS10.75	MW-2G_RPPS10.75	15A_RPPS13.25	MW-16_RPPS10.5 (A)	MW-16_RPPS10.5 (B)
			Date Sampled:	4/8/2021	3/24/2021	3/24/2021	4/6/2021	3/29/2021	3/29/2021
			LAB Sample ID:	460231790-1-32	460230686-1-5	460230686-1-3	460231802-1-45	460231093-1-66	460231093-1-67
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**23**		**38**		0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-22A_RPPS40.75		MW-24_RPPS32.0 (A)		MW-24_RPPS32.0 (B)		MW-24C_RPPS40.0		MW-43_RPPS21.85		MW-44_RPPS16.0	
		Date Sampled:	4/8/2021		3/23/2021		3/23/2021		3/29/2021		3/25/2021		3/25/2021	
		LAB Sample ID:	460231790-1-29		460230909-1-26		460230909-1-27		460231093-1-69		460230959-1-71		460230959-1-61	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**39**		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-44B_RPPS41.75		MW-44C_RPPS76.75		MW-46_RPPS58.75		MW-58_RPPS33.75		MW-80C_RPPS15.5	MW-102_RPPS11.10
		Date Sampled:	3/25/2021		3/25/2021		3/29/2021		3/26/2021		3/23/2021	4/8/2021
		LAB Sample ID:	460230959-1-65		460230959-1-63		460231093-1-21		460230959-1-101		460230909-1-23	460231790-1-57
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	MW-104B_RPPS30.1		MW-105A_RPPS7.9		MW-105B_RPPS35.0		MW-106A_RPPS9.4		MW-106B_RPPS31.2		MW-112A_RPPS7.25	
			Date Sampled:	4/6/2021		4/8/2021		4/8/2021		4/6/2021		4/7/2021		3/29/2021	
			LAB Sample ID:	460231802-1-43		460231790-1-33		460231790-1-35		460231802-1-41		460231797-1-3		460231093-1-29	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*		0.33	U	0.33	U	**0.59**		**29**		0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-114_RPPS75.4 (A)		MW-114_RPPS75.4 (B)		MW-114A_RPPS71.8		MW-117_RPPS71.25 (A)		MW-117_RPPS71.25 (B)		MW-120_RPPS76.75	
		Date Sampled:	3/25/2021		3/25/2021		3/25/2021		4/8/2021		4/8/2021		3/29/2021	
		LAB Sample ID:	460230959-1-23		460230959-1-25		460230959-1-29		460231790-1-40		460231790-1-41		460231093-1-19	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-124A_RPPS23.0	MW-124B_RPPS25.75(A)	MW-124B_RPPS25.75(B)	MW-126_RPPS8.5	MW-126B_RPPS41.8	MW-126C_RPPS76.8
	Date Sampled:	3/29/2021	3/29/2021	3/29/2021	3/26/2021	3/26/2021	3/26/2021
	LAB Sample ID:	460231093-1-23	460231093-1-26	460231093-1-27	460230959-1-133	460230959-1-129	460230959-1-135
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	**20**	***110***	***120***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	MW-131_RPPS14.4		5131B_RPPS33.8		131C_RPPS76.8		MW-136_RPPS14.0		136B_RPPS45.0		136C_RPPS95.0	
			Date Sampled:	3/29/2021		3/29/2021		3/29/2021		4/7/2021		4/7/2021		4/7/2021	
			LAB Sample ID:	460231093-1-9		460231093-1-6		460231093-1-11		460231797-1-23		460231797-1-27		460231797-1-29	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	**6.8**		**40**		

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-143_RPPS	18.65	MW-143B_RPPS	46.8	MW-143C_RPPS	76.8	MW-145A_RPPS	24.3	MW-146A_RPPS	23.3	MW-146B_RPPS	53.75
	Date Sampled:	4/7/2021		4/7/2021		4/7/2021		4/6/2021		4/7/2021		4/7/2021	
	LAB Sample ID:	460231797-1-43		460231797-1-49		460231797-1-46		460231802-1-19		460231797-1-39		460231797-1-34	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.38	J	**0.59**		0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-146C_RPPS66.75		MW-148A_RPPS24.35		MW-148B_RPPS44.85		MW-170AR_RPPS15.25		MW-170BR_RPPS35.0		MW-171A_RPPS26.75	
	Date Sampled:	4/7/2021		3/29/2021		3/29/2021		4/7/2021		4/7/2021		4/6/2021	
	LAB Sample ID:	460231797-1-31		460231093-1-15		460231093-1-17		460231797-1-57		460231797-1-59		460231802-1-23	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	**0.45**		0.33	U	**1.8**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-171B_RPPS_4.75		MW-171C_RPPS_6.75		MW-172_RPPS_37.0		MW-174_RPPS_34.75		MW-201_RPPS_28.75		MW-201A_RPPS_21.75	
		Date Sampled:	4/6/2021		4/6/2021		4/8/2021		4/7/2021		4/8/2021		4/8/2021	
		LAB Sample ID:	460231802-1-27		460231802-1-21		460231790-1-59		460231797-1-65		460231790-1-5		460231790-1-3	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**1.1**		**1.3**		0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	MW-201B_RPPS41.8		201C_RPPS92.8		204C_RPPS61.75		206B_RPPS46.75		206C_RPPS76.75		207A_RPPS6.75	
			Date Sampled:	4/8/2021		4/8/2021		4/6/2021		3/22/2021		3/22/2021		3/25/2021	
			LAB Sample ID:	460231790-1-25		460231790-1-23		460231802-1-61		460230909-1-9		460230909-1-7		460230959-1-91	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*		0.33	U	0.33	U	**0.51**		0.38	J	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-207B_RPPS_4.7_5		MW-207C_RPPS_61.7_5		MW-209A_RPPS_14.7_5		MW-209B_RPPS_36.7_5		MW-213B_RPPS_46.7_5		MW-213C_RPPS_76.7_5	
		Date Sampled:	3/25/2021		3/25/2021		3/24/2021		3/24/2021		3/29/2021		3/29/2021	
		LAB Sample ID:	460230959-1-85		460230959-1-89		460230686-1-7		460230686-1-9		460231093-1-41		460231093-1-39	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-214A_RPPS5	MW-23.2	MW-214B_RPPS5	MW-41.7	MW-214C_RPPS5	MW-66.7	MW-215C_RPPS5	MW-76.7	MW-216C_RPPS5	MW-71.7	MW-222_RPPS5	MW-71.75
		Date Sampled:	4/6/2021		4/6/2021		4/6/2021		4/7/2021		4/7/2021		4/7/2021	
		LAB Sample ID:	460231802-1-5		460231802-1-7		460231802-1-3		460231797-1-7		460231797-1-15		460231797-1-52	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**0.68**		**3.6**		**2.7**		**0.59**		**0.97**		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-222C_RPPS253.75	MW-230C_RPPS66.75	MW-236B_RPPS34.75	MW-236C_RPPS54.75	MW-237A_RPPS27.5	MW-237C_RPPS111.75
	Date Sampled:	4/7/2021	3/25/2021	4/6/2021	4/6/2021	3/26/2021	3/26/2021
	LAB Sample ID:	460231797-1-55	460230959-1-27	460231802-1-13	460231802-1-11	460230959-1-115	460230959-1-111
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.49**	**14**	0.33 U	0.33 U	0.33 U	**19**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	MW-238C_RPPS76.75	MW-243B_RPPS48.5	MW-257A_RPPS27.0	MW-257B_RPPS46.75	MW-258B_RPPS80.75	MW-258C_RPPS106.75
			Date Sampled:	4/6/2021	4/7/2021	4/8/2021	4/8/2021	4/7/2021	4/7/2021
			LAB Sample ID:	460231802-1-57	460231797-1-53	460231790-1-45	460231790-1-43	460231797-1-61	460231797-1-63
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**2.5**		0.33 U	**0.47**	**1.5**	0.33 U	**0.48**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	MW-259BR_RPPS42260.5	MW-C_RPPS62.0	MW-260-S3_RPPS121.8265	B_RPPS41.7265	C_RPPS91.8266	A_RPPS34.75
			Date Sampled:	3/25/2021	3/29/2021	3/29/2021	3/26/2021	3/26/2021	3/26/2021
			LAB Sample ID:	460230959-1-33	460231093-1-57	460231093-1-53	460230959-1-127	460230959-1-132	460230959-1-153
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	**1.2**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-266B_RPPS61.95	MW-266C_RPPS86.85	MW-267A_RPPS47.75	MW-267B_RPPS96.75	MW-269A_RPPS55.05	MW-269C_RPPS121.8
	Date Sampled:	3/26/2021	3/26/2021	3/26/2021	3/26/2021	3/29/2021	3/29/2021
	LAB Sample ID:	460230959-1-151	460230959-1-149	460230959-1-99	460230959-1-105	460231093-1-38	460231093-1-35
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	**4.9**		**29**		0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-270A_RPPS59.5		MW-271A_RPPS56.8		MW-271B_RPPS91.8		MW-271C_RPPS126.8		MW-273B_RPPS41.8		MW-273C_RPPS92.80	
	Date Sampled:	3/29/2021		3/25/2021		3/25/2021		3/25/2021		3/25/2021		3/25/2021	
	LAB Sample ID:	460231093-1-45		460230959-1-51		460230959-1-49		460230959-1-45		460230959-1-11		460230959-1-15	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

			Sample No.:	MW-274A_RPPS11.8		MW-274B_RPPS56.80		MW-274C_RPPS91.8		MW-275B_RPPS36.8		MW-276A_RPPS26.8		MW-276B_RPPS51.8	
			Date Sampled:	3/25/2021		3/25/2021		3/25/2021		3/26/2021		3/29/2021		3/29/2021	
			LAB Sample ID:	460230959-1-43		460230959-1-48		460230959-1-53		460230959-1-117		460231093-1-59		460231093-1-56	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*		0.33	U	**0.83**		0.33	U	**44**		0.36	J 1	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-276C_RPPS86.8	288B_RPPS41.8	295A_RPPS17.5	295C_RPPS80.0	304A_RPPS17.5	304B_RPPS37.5 (A)
	Date Sampled:	3/29/2021	4/6/2021	3/22/2021	3/22/2021	4/6/2021	4/6/2021
	LAB Sample ID:	460231093-1-51	460231802-1-59	460230909-1-12	460230909-1-15	460231802-1-33	460231802-1-36
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.73**	0.33 U	0.33 U	0.33 U	**1.8**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-304B_RPPS37.5 (B)	MW-304C_RPPS72.5	MW-347B_RPPS46.8	MW-348B_RPPS51.8	MW-349B_RPPS41.8	MW-349C_RPPS91.8
	Date Sampled:	4/6/2021	4/6/2021	3/25/2021	3/25/2021	3/26/2021	3/26/2021
	LAB Sample ID:	460231802-1-37	460231802-1-31	460230959-1-97	460230959-1-93	460230959-1-113	460230959-1-109
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**1.4**	**1.2**	**1.3**	**1.9**	**6.7**	***100***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-351C_RPPS61.5		MW-353A_RPPS49.2		MW-353B_RPPS76.3		MW-353C_RPPS124.25		MW-357A_RPPS20.0 (A)		MW-357A_RPPS20.0 (B)	
		Date Sampled:	4/6/2021		4/8/2021		4/8/2021		4/8/2021		3/29/2021		3/29/2021	
		LAB Sample ID:	460231802-1-47		460231790-1-11		460231790-1-9		460231790-1-13		460231093-1-74		460231093-1-75	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.37	J	0.33	U	**10**	1	**4.6**	1

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-366B_RPPS41.80		MW-373B_RPPS73.75		MW-373C_RPPS114.375		MW-375A_RPPS50.75		MW-375B_RPPS69.8	MW-375C_RPPS126.8
		Date Sampled:	4/8/2021		4/8/2021		4/8/2021		3/25/2021		3/25/2021	3/25/2021
		LAB Sample ID:	460231790-1-63		460231790-1-53		460231790-1-50		460230959-1-77		460230959-1-74	460230959-1-70
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**0.41**		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-376B_RPPS81.0	MW-376C_RPPS119.8	MW-377B_RPPS86.8	MW-377C_RPPS109.8	MW-383A_RPPS17.5	MW-391C_RPPS115.0
	Date Sampled:	3/25/2021	3/25/2021	3/29/2021	3/29/2021	3/23/2021	4/6/2021
	LAB Sample ID:	460230959-1-7	460230959-1-3	460231093-1-63	460231093-1-61	460230909-1-29	460231802-1-51
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	***170***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

	Sample No.:	MW-394C_RPPS98.0	MW-416A_RPPS34.8 (A)	MW-416A_RPPS34.8 (B)	MW-416B_RPPS49.25	MW-416C_RPPS105.40	MW-453C2_RPPS97.5
	Date Sampled:	3/29/2021	4/7/2021	4/7/2021	4/7/2021	4/7/2021	4/8/2021
	LAB Sample ID:	460231093-1-71	460231797-1-13	460231797-1-14	460231797-1-5	460231797-1-9	460231790-1-51
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	***240***	**3.2**	**2.9**	**16**	***310***	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2021

		Sample No.:	MW-457C1_RPPS75.480		MW-3B_RPPS57.5		MW-483C_RPPS72.5		MW-487A_RPPS17.5		MW-495B_RPPS45.5	MW-503C_RPPS70.0
		Date Sampled:	4/8/2021		3/25/2021		3/25/2021		3/25/2021		4/6/2021	4/6/2021
		LAB Sample ID:	460231790-1-62		460230959-1-79		460230959-1-75		460230959-1-67		460231802-1-54	460231802-1-49
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**0.64**		0.33	U	**0.77**		0.33	U	**0.89**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	66RI-MW4_DM12.5	131RI-MW1_DM12.9	138RI-MW1R_DM24.5	187RI-MW2_RPPS8.7	ART-MW-6BR_RPPS40.0 (A)	ART-MW-6BR_RPPS40.0 (B)
		Date Sampled:	10/21/2021	10/21/2021	10/21/2021	9/21/2021	10/20/2021	10/20/2021
		LAB Sample ID:	460245826-1-7	460245826-1-14	460245826-1-15	460243525-1-9	460245830-1-45	460245830-1-47
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**0.59**	0.39 J	**0.54**	**4.4**	**1**	**0.94**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:			DW-2B_RPPS132.75		DW-D2_RPPS276.83		DW-2B_RPPS113.75		DW-3-D2_RPPS286.8		DW-4C_DM138.75		DW-4D_DM446.75	
Date Sampled:			9/22/2021		9/22/2021		10/20/2021		10/20/2021		10/25/2021		10/25/2021	
LAB Sample ID:			460243531-1-41		460243531-1-39		460245830-1-49		460245830-1-51		460246008-1-19		460246008-1-18	
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	**1.3**		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-6B_DM111.75		DW-6C_DM287.75		DW-6D_DM494.75	DW-7A_RPPS123.87		DW-B_RPPS171.757		DW-C_RPPS341.75
		Date Sampled:	10/22/2021		10/22/2021		10/22/2021	9/22/2021		9/22/2021		9/22/2021
		LAB Sample ID:	460245828-1-6		460245828-1-7		460245828-1-5	460243531-1-17		460243531-1-19		460243531-1-21
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**1.3**		**1.2**	0.33	U	0.33	U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-7D_RPPS426.758		DW-A_RPPS117.758		DW-B_RPPS188.758		DW-C_RPPS303.75		DW-9A_DM91.75		DW-11B_DM96.75				
		Date Sampled:	9/22/2021		9/27/2021		9/27/2021		9/27/2021		10/22/2021		10/22/2021				
		LAB Sample ID:	460243531-1-15		460243981-1-69		460243981-1-65		460243981-1-67		460245828-1-4		460245828-1-27				
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison				
Parameter (ug/l)	***CAS No.***	***GWQS***															
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U			

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-11D_DM446.75		DW-12A_DM130.75		DW-12B_DM182.75		DW-12CR_DM516.8		DW-13-D2_RPPS241.8		DW-16A_DM216.75
		Date Sampled:	10/22/2021		10/21/2021		10/21/2021		10/21/2021		9/21/2021		10/21/2021
		LAB Sample ID:	460245828-1-28		460245826-1-20		460245826-1-21		460245826-1-22		460243525-1-17		460245826-1-19
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**16**		**22**		**4.4**		**0.47**		**12**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-16B_DM293.75	DW-16C_DM434.75	17C_RPPS116.75	DW-24_DM171.75	DW-27B_DM291.75	DW-27C_DM421.8
		Date Sampled:	10/21/2021	10/21/2021	9/27/2021	10/25/2021	10/21/2021	10/21/2021
		LAB Sample ID:	460245826-1-18	460245826-1-17	460243981-1-43	460246008-1-11	460245826-1-29	460245826-1-30
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**1.3**	**0.64**	0.33 U	0.33 U	**0.88**	**2**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-28A_RPPS180.5		DW-28B_RPPS307.5		DW-29B_RPPS286.5		DW-30C_RPPS438.5		DW-31B_RPPS256.5		DW-31C_RPPS436.8	
		Date Sampled:	9/22/2021		9/22/2021		9/22/2021		9/22/2021		9/20/2021		9/20/2021	
		LAB Sample ID:	460243531-1-49		460243531-1-51		460243531-1-63		460243531-1-61		460243723-1-29		460243723-1-23	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	**5.7**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-32A_RPPS155.75	DW-32B_RPPS297.75	DW-33A_DM151.80	DW-33B_DM275.8	DW-33C_DM416.8	DW-34B_DM286.75
		Date Sampled:	9/20/2021	9/20/2021	10/21/2021	10/21/2021	10/21/2021	10/22/2021
		LAB Sample ID:	460243723-1-5	460243723-1-9	460245826-1-8	460245826-1-9	460245826-1-11	460245828-1-2
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**31**	**5.2**	**12**	**13**	**4**	**44**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:			DW-37B_RPPS296.838		DW-A_RPPS177.838		DW-B_RPPS248.839		DW-B_RPPS292.839		DW-C_RPPS492.840	DW-A_RPPS138.8
Date Sampled:			9/27/2021		9/20/2021		9/20/2021		9/27/2021		9/27/2021	9/21/2021
LAB Sample ID:			460243981-1-61		460243723-1-31		460243723-1-33		460243981-1-29		460243981-1-27	460243525-1-27
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**1.9**		0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-40B_RPPS246.8		DW-40C_RPPS396.8		DW-41C_DM426.8		DW-45A_DM121.8		DW-52A_DM126.858	DW-A_RPPS216.8
		Date Sampled:	9/21/2021		9/21/2021		10/22/2021		10/20/2021		10/22/2021	10/20/2021
		LAB Sample ID:	460243525-1-25		460243525-1-29		460245828-1-3		460245830-1-56		460245828-1-22	460245830-1-11
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**10**		**1.3**		**0.85**		0.39	J	**0.49**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	DW-64A_RPPS236.8	DW-65-73-S2	DW-65-91-S3	DW-65-119-S3	DW-65-145-D1	DW-65-154-D1
			Date Sampled:	9/22/2021	9/16/2021	9/16/2021	9/16/2021	9/16/2021	9/16/2021
			LAB Sample ID:	460243531-1-27	460243394-1-11	460243394-1-10	460243394-1-9	460243394-1-8	460243394-1-7
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**30**	**27**	***130***	***130***	***61***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	DW-65-176-D1	DW-65-199-D1	DW-65-221-D1	DW-65-262-D2	DW-65-350-D2	DW-67B_RPPS269.5
			Date Sampled:	9/16/2021	9/16/2021	9/16/2021	9/16/2021	9/16/2021	10/20/2021
			LAB Sample ID:	460243394-1-6	460243394-1-5	460243394-1-4	460243394-1-3	460243394-1-2	460245830-1-17
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*		**46**		***81***		***66***		**8.5**		**47**		**12**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-68A_RPPS202.5	DW-70-83-S3	DW-70-114-S3	DW-70-123-D1	DW-70-150-D1 (A)	DW-70-150-D1 (B)
		Date Sampled:	9/20/2021	9/16/2021	9/16/2021	9/16/2021	9/16/2021	9/16/2021
		LAB Sample ID:	460243723-1-53	460243394-1-19	460243394-1-18	460243394-1-17	460243394-1-15	460243394-1-16
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**3.6**	**7.7**	**27**	**32**	**9.1**	**12**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	DW-70-174-D1		DW-70-205-D1		DW-70-261-D2		DW-72-120-S3		DW-72-146-S3		DW-72-167-D1 (A)	
			Date Sampled:	9/16/2021		9/16/2021		9/16/2021		9/16/2021		9/16/2021		9/16/2021	
			LAB Sample ID:	460243394-1-14		460243394-1-13		460243394-1-12		460243394-1-27		460243394-1-26		460243394-1-24	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*		**14**		**1.3**		**37**		0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	DW-72-167-D1 (B)		DW-72-176-D1		DW-72-217-D1		DW-72-237-D1		DW-72-316-D2		IW-157C2_DM95.0	
		Date Sampled:	9/16/2021		9/16/2021		9/16/2021		9/16/2021		9/16/2021		10/22/2021	
		LAB Sample ID:	460243394-1-25		460243394-1-23		460243394-1-22		460243394-1-21		460243394-1-20		460245828-1-20	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	IW-168B_DM43.5	IW-168C1_RPPS68.5	IW-168C2_RPPS93.5(A)	IW-168C2_RPPS93.5(B)	IW-197A_RPPS26.3 (A)	IW-197A_RPPS26.3 (B)
	Date Sampled:	10/22/2021	10/22/2021	10/22/2021	10/22/2021	10/21/2021	10/21/2021
	LAB Sample ID:	460245828-1-10	460245828-1-16	460245828-1-12	460245828-1-14	460245826-1-24	460245826-1-26
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.6**	**0.88**	**2.1**	**2.1**	**33**	**27**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	IW-199B_DM40.6	MW-1G_RPPS10.75	MW-2G_RPPS10.75	MW-15A_DM13.25	MW-16_RPPS10.5 (A)	MW-16_RPPS10.5 (B)
		Date Sampled:	10/21/2021	9/22/2021	9/22/2021	10/22/2021	9/20/2021	9/20/2021
		LAB Sample ID:	460245826-1-27	460243531-1-5	460243531-1-3	460245828-1-24	460243723-1-14	460243723-1-15
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	**29**	**31**	**0.9**	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-22A_RPPS40.75		MW-24_RPPS32.0		MW-24C_RPPS40.0		MW-43_RPPS21.85		MW-44_DM16.0		MW-44B_DM41.75
		Date Sampled:	10/20/2021		9/27/2021		10/20/2021		9/21/2021		10/21/2021		10/21/2021
		LAB Sample ID:	460245830-1-41		460243981-1-73		460245830-1-35		460243525-1-3		460245826-1-31		460245826-1-32
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	***130***		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	MW-44C_DM76.75	MW-46_RPPS58.75	MW-58_RPPS33.75	MW-80C_RPPS15.5	MW-102_DM11.10	104B_RPPS30.1
	Date Sampled:	10/21/2021	10/20/2021	9/20/2021	9/27/2021	10/22/2021	9/27/2021
	LAB Sample ID:	460245826-1-33	460245830-1-53	460243723-1-17	460243981-1-71	460245828-1-21	460243981-1-25
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 J	**0.94**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-105A_RPPS7.9		MW-105B_RPPS35.0		MW-106A_RPPS9.4		MW-106B_RPPS31.2		MW-112A_DM7.25		MW-114_RPPS75.4	
		Date Sampled:	10/25/2021		10/25/2021		9/27/2021		9/27/2021		10/25/2021		10/20/2021	
		LAB Sample ID:	460246008-1-24		460246008-1-26		460243981-1-21		460243981-1-23		460246008-1-16		460245830-1-3	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**0.75**		**17**		0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	MW-114A_RPPS71.8	MW-117_RPPS71.25 (A)	MW-117_RPPS71.25 (B)	MW-120_RPPS76.75 (A)	MW-120_RPPS76.75 (B)	MW-124A_RPPS23.0
			Date Sampled:	10/20/2021	10/20/2021	10/20/2021	10/21/2021	10/21/2021	9/27/2021
			LAB Sample ID:	460245830-1-5	460245830-1-37	460245830-1-39	460245826-1-3	460245826-1-5	460243981-1-55
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	MW-124B_RPPS25.75(A)	MW-124B_RPPS25.75(B)	MW-126_RPPS8.5	MW-126B_RPPS41.8	MW-126C_RPPS76.8	MW-131_RPPS14.45
	Date Sampled:	9/27/2021	9/27/2021	9/21/2021	9/21/2021	9/21/2021	9/27/2021
	LAB Sample ID:	460243981-1-58	460243981-1-59	460243525-1-35	460243525-1-37	460243525-1-33	460243981-1-47
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	**25**	***83***	***85***	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

Sample No.:			MW-131B_RPPS33.8		MW-131C_RPPS76.8		MW-136_RPPS14.0		MW-136B_RPPS45.0		MW-136C_RPPS95.0		MW-143_RPPS18.65				
Date Sampled:			9/27/2021		9/27/2021		9/20/2021		9/20/2021		9/20/2021		9/27/2021				
LAB Sample ID:			460243981-1-49		460243981-1-45		460243723-1-47		460243723-1-49		460243723-1-51		460243981-1-41				
LAB:			Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison				
Parameter (ug/l)	***CAS No.***	***GWQS***															
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	**25**		**35**		0.33	U			

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-143B_RPPS46.8		MW-143C_RPPS76.8		MW-145A_RPPS24.3		MW-146A_DM23.3		MW-146B_DM53.75	MW-146C_DM66.75
		Date Sampled:	9/27/2021		9/27/2021		9/27/2021		10/25/2021		10/25/2021	10/25/2021
		LAB Sample ID:	460243981-1-37		460243981-1-39		460243981-1-9		460246008-1-22		460246008-1-21	460246008-1-20
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**0.45**		**0.6**		0.33	U	**0.49**		0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-148A_RPPS5	MW-148B_RPPS5	MW-170AR_RPPS15	MW-170BR_RPPS35	MW-171A_RPPS5	MW-171B_RPPS5
		Date Sampled:	4.3 9/27/2021	4.8 9/27/2021	.25 10/20/2021	.0 10/20/2021	6.7 9/27/2021	6.7 9/27/2021
		LAB Sample ID:	460243981-1-51	460243981-1-53	460245830-1-23	460245830-1-21	460243981-1-5	460243981-1-7
		LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	**0.57**	0.33 U	**1**	**1.1**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	MW-171C_RPPS66.75	MW-172_RPPS37.0	MW-174_RPPS34.75	MW-201_RPPS28.75	MW-201A_RPPS21.75	MW-201B_RPPS41.8
			Date Sampled:	9/27/2021	10/25/2021	10/20/2021	9/22/2021	9/22/2021	9/22/2021
			LAB Sample ID:	460243981-1-3	460246008-1-28	460245830-1-19	460243531-1-25	460243531-1-23	460243531-1-11
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**0.91**		0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	MW-201C_RPPS92.8		MW-204C_DM61.75206B_RPPS46.75		MW-206C_RPPS76.75		MW-207A_RPPS6.75		MW-207B_RPPS44.75	
			Date Sampled:	9/22/2021		10/22/2021		10/20/2021		10/20/2021		9/21/2021		9/21/2021	
			LAB Sample ID:	460243531-1-13		460245828-1-8		460245830-1-33		460245830-1-31		460243525-1-15		460243525-1-13	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*		0.33	U	**0.49**		0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-207C_RPPS61.75		MW-209A_RPPS14.75		MW-209B_RPPS36.75		MW-213B_DM46.75		MW-213C_DM76.75		MW-214A_DM23.25	
		Date Sampled:	9/21/2021		9/22/2021		9/22/2021		10/25/2021		10/25/2021		10/21/2021	
		LAB Sample ID:	460243525-1-11		460243531-1-7		460243531-1-9		460246008-1-3		460246008-1-4		460245826-1-35	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	**0.46**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-214B_DM41.75		MW-214C_DM66.75		MW-215C_DM76.75		MW-216C_DM71.75		MW-222_DM71.75		MW-222C_DM253.75	
		Date Sampled:	10/21/2021		10/21/2021		10/22/2021		10/25/2021		10/25/2021		10/25/2021	
		LAB Sample ID:	460245826-1-34		460245826-1-36		460245828-1-29		460246008-1-17		460246008-1-7		460246008-1-8	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**4.9**		**2.4**		0.33	U	**0.93**		0.33	U	**0.58**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	MW-230C_DM66.75	MW-236B_DM34.75	MW-236C_DM54.75	MW-237A_RPPS27.5	MW-237C_RPPS111.75	MW-238C_DM76.75
	Date Sampled:	10/21/2021	10/25/2021	10/25/2021	9/20/2021	9/20/2021	10/22/2021
	LAB Sample ID:	460245826-1-13	460246008-1-5	460246008-1-6	460243723-1-21	460243723-1-19	460245828-1-17
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**14**	0.33 U	**0.69**	0.33 U	**12**	**1.7**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-243B_RPPS48.5		MW-257A_RPPS27.0		MW-257B_RPPS46.75		MW-258B_DM80.75		MW-258C_DM106.75		MW-259BR_DM42.5	
		Date Sampled:	10/20/2021		10/25/2021		10/25/2021		10/25/2021		10/25/2021		10/21/2021	
		LAB Sample ID:	460245830-1-43		460246008-1-15		460246008-1-13		460246008-1-9		460246008-1-10		460245826-1-16	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**0.7**		**2**		0.33	U	**0.5**		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-260C_RPPS62.05		MW-260-S3_RPPS121.82		65B_RPPS41.725		65C_RPPS91.82		66A_RPPS34.725		66B_RPPS61.95				
		Date Sampled:	9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021		9/20/2021				
		LAB Sample ID:	460243723-1-39		460243723-1-41		460243723-1-27		460243723-1-25		460243723-1-11		460243723-1-3				
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison				
Parameter (ug/l)	***CAS No.***	***GWQS***															
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	**0.59**		0.33	U	**3.9**				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-266C_RPPS86.85		MW-267A_DM47.75		MW-267B_DM96.75		269A_RPPS55.0		269C_RPPS121.8		270A_RPPS59.5	
		Date Sampled:	9/20/2021		10/22/2021		10/25/2021		9/20/2021		9/20/2021		9/27/2021	
		LAB Sample ID:	460243723-1-7		460245828-1-1		460246008-1-2		460243723-1-37		460243723-1-35		460243981-1-63	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**17**		0.34	J	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	MW-271A_RPPS56.8		MW-271B_RPPS91.8		MW-271C_RPPS126.8		MW-273B_DM41.8		MW-273C_DM92.8		0274A_RPPS11.8	
	Date Sampled:	9/22/2021		9/22/2021		9/22/2021		10/21/2021		10/21/2021		10/20/2021	
	LAB Sample ID:	460243531-1-45		460243531-1-47		460243531-1-43		460245826-1-10		460245826-1-12		460245830-1-29	
	LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	MW-274B_RPPS56.8274C_RPPS91.8275B_RPPS36.8276A_RPPS26.8276B_RPPS51.8276C_RPPS86.80		MW-		MW-		MW-		MW-		MW-	
			Date Sampled:	10/20/2021		10/20/2021		9/21/2021		9/27/2021		9/27/2021		9/27/2021	
			LAB Sample ID:	460245830-1-27		460245830-1-25		460243525-1-31		460243981-1-35		460243981-1-33		460243981-1-31	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*		**0.66**		0.37	J	**15**		0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-288B_DM	41.8	295A_RPPS	17.5	295C_RPPS	80.0	304A_RPPS	17.5	304A_RPPS (A)	17.5	304B_RPPS (B)	37.5
		Date Sampled:	10/22/2021		9/27/2021		9/27/2021		9/27/2021		9/27/2021		9/27/2021	
		LAB Sample ID:	460245828-1-9		460243981-1-75		460243981-1-77		460243981-1-14		460243981-1-15		460243981-1-11	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	**0.8**		0.33	U	0.33	U	0.33	U	**0.44**		**0.86**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	MW-304C_RPPS72.5 (A)	MW-304C_RPPS72.5 (B)	MW-347B_RPPS46.8	MW-348B_RPPS51.8	MW-349B_RPPS41.8	MW-349C_RPPS91.8
			Date Sampled:	9/27/2021	9/27/2021	9/21/2021	9/21/2021	9/21/2021	9/21/2021
			LAB Sample ID:	460243981-1-18	460243981-1-19	460243525-1-19	460243525-1-39	460243525-1-21	460243525-1-23
			LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	**1.1**		**1**		**1.4**		**2.5**		**2.4**		***140***	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	MW-351C_RPPS61.85	MW-353A_RPPS49.25	MW-353B_RPPS76.33	MW-353C_RPPS124.25	MW-357A_RPPS20.0	MW-366B_DM41.80
	Date Sampled:	10/20/2021	9/22/2021	9/22/2021	9/22/2021	10/20/2021	10/22/2021
	LAB Sample ID:	460245830-1-13	460243531-1-33	460243531-1-31	460243531-1-29	460245830-1-55	460245828-1-23
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.6**	0.33 U	0.33 U	0.33 U	**4.7**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

		Sample No.:	MW-373B_RPPS73.75		MW-373C_RPPS114.75		MW-375A_RPPS50.5(A)		MW-375A_RPPS50.5(B)		MW-375B_RPPS69.8		MW-375C_RPPS126.8	
		Date Sampled:	10/20/2021		10/20/2021		9/22/2021		9/22/2021		9/22/2021		9/22/2021	
		LAB Sample ID:	460245830-1-9		460245830-1-7		460243531-1-58		460243531-1-59		460243531-1-55		460243531-1-53	
		LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	MW-376B_RPPS81.0	MW-376C_RPPS119.8	MW-377B_RPPS86.8	MW-377C_RPPS109.8	MW-383A_RPPS17.5	MW-391C_RPPS115.0
	Date Sampled:	9/22/2021	9/22/2021	9/20/2021	9/20/2021	9/27/2021	10/20/2021
	LAB Sample ID:	460243531-1-37	460243531-1-35	460243723-1-43	460243723-1-45	460243981-1-79	460245830-1-15
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	***240***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

	Sample No.:	MW-394C_DM98.0	MW-416A_RPPS34.8 (A)	MW-416A_RPPS34.8 (B)	MW-416B_RPPS49.2	MW-416C_RPPS105.0	MW-453C2_DM97.5
	Date Sampled:	10/21/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	10/22/2021
	LAB Sample ID:	460245826-1-6	460243723-1-60	460243723-1-61	460243723-1-57	460243723-1-55	460245828-1-19
	LAB:	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison	Eurofins TA, Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	***120***	***3.2***	**3**	**17**	***250***	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
3Q 2021

			Sample No.:	MW-457C1_DM75.0		MW-483B_RPPS57.5		MW-483C_RPPS72.5		MW-487A_DM17.5		MW-495B_DM45.5		MW-503C_DM70.0	
			Date Sampled:	10/22/2021		9/21/2021		9/21/2021		10/21/2021		10/22/2021		10/22/2021	
			LAB Sample ID:	460245828-1-18		460243525-1-7		460243525-1-5		460245826-1-28		460245828-1-26		460245828-1-25	
			LAB:	Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison		Eurofins TA, Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
1,4-Dioxane	*123-91-1*	*0.4*		**1.1**		0.33	U	**0.54**		0.36	J	**0.76**		**1**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Attachment 1

Volatile Organic Compounds (VOCs) in Groundwater – 2Q 2022

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			66RI-MW4_DMPDB16.5		131RI-MW1_DMPDB16.5		131RI-MW1_DMPDB16.5T		138RI-MW1R_DMPDB24.5		187RI-MW2_DMPDB8.7		187RI-MW2_DMPDB8.7T	
Date Sampled:			6/1/2022		5/31/2022		5/31/2022		6/3/2022		5/31/2022		5/31/2022	
LAB Sample ID:			460259453-1-43		460259173-1-37		460259172-1-19		460259454-1-13		460259173-1-26		460259172-1-14	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.7	J	4.4	U	NA		4.4	U	4.4	U	NA	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	NA		0.20	U	0.20	U	NA	
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	NA		0.41	U	0.41	U	NA	
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	NA		0.34	U	0.34	U	NA	
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	NA		0.54	U	0.54	U	NA	
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	NA		0.55	U	0.55	U	NA	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	NA		1.9	U	1.9	U	NA	
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	NA		0.82	U	0.82	U	NA	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	NA		0.21	U	0.21	U	NA	
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	NA		0.38	U	0.38	U	NA	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	NA		0.32	U	0.32	U	NA	
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	NA		0.54	J	0.33	U	NA	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	NA		0.40	U	0.40	U	NA	
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.45	J	0.48	J	NA		0.52	J	0.22	U	NA	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	NA		0.22	U	0.22	U	NA	
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	NA		0.32	U	0.81	J	NA	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	NA		*0.38*	U	*0.38*	U	NA	
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	NA		0.28	U	0.28	U	NA	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	NA		*0.50*	U	*0.50*	U	NA	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	NA		0.21	U	0.21	U	NA	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	NA		0.34	U	0.34	U	NA	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	NA		0.33	U	0.33	U	NA	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	NA		0.31	U	0.31	U	NA	
1,1-Dichloroethane	*75-34-3*	*50*	2.2		0.82	J	NA		0.26	U	0.26	U	NA	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	NA		0.43	U	0.43	U	NA	
1,1-Dichloroethene	*75-35-4*	*1*	**2.7**		0.64	J	NA		0.53	J	0.26	U	NA	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	NA		0.35	U	0.35	U	NA	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		NA		ND		ND		NA	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	NA		0.30	U	0.30	U	NA	
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	NA		1.1	U	1.1	U	NA	
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	NA		0.34	U	0.36	J	NA	
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	NA		0.79	U	0.79	U	NA	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	2.6		0.22	U	NA		0.22	U	1		NA	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	NA		1.3	U	1.3	U	NA	
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	NA		0.71	U	0.71	U	NA	
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	NA		0.32	U	0.32	U	NA	
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	NA		0.42	U	0.42	U	NA	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	NA		0.37	U	0.37	U	NA	
Tetrachloroethene	*127-18-4*	*1*	0.31	J	0.48	J	NA		**9.1**		0.25	U	NA	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	NA		0.38	U	0.38	U	NA	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	NA		0.24	U	0.24	U	NA	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	NA		0.22	U	0.22	U	NA	
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	NA		0.31	U	0.31	U	NA	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	NA		0.36	U	0.36	U	NA	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.37	J	0.28	J	NA		0.24	U	0.24	U	NA	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	NA		0.20	U	0.20	U	NA	
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	NA		**1.5**		0.31	U	NA	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	NA		0.32	U	0.32	U	NA	
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		0.012	U	NA		NA		0.012	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	NA		0.37	U	0.37	U	NA	
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	NA		0.17	U	0.17	U	NA	
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	NA		0.30	U	0.30	U	NA	
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	NA		0.36	U	0.36	U	NA	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.30	U	NA		0.65	U	0.30	U	NA	
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	NA		ND	U	35.8	JN	NA	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	ART-MW-6BR_DMPDB40.0	DW-2B_DMPDB132.75	DW-2-D2_DMPDB276.8	DW-3B_DMPDB113.75	DW-3-D2_DMPDB286.8	DW-4C_DMPDB138.75
Date Sampled:	6/2/2022	5/31/2022	5/31/2022	6/6/2022	6/6/2022	6/6/2022
LAB Sample ID:	460259452-1-35	460259173-1-29	460259173-1-27	460259679-1-3	460259679-1-4	460259679-1-23
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS												
Acetone	*67-64-1*	*6000*	4.4	U	5.7		7		4.4	U	4.4	U	5.6	
Benzene	*71-43-2*	*1*	**18**		0.20	U	0.20	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.4	U	0.4	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	J	1.2		0.22	U	0.22	U	2.9	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U -	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**20**		**2**		0.25	U	0.73	J	**9.9**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.64	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U +	0.36	U +	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**3.8**		0.71	J	0.31	U	0.31	U	0.98	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	**1.6**	
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.30	U	0.30	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			DW-4D_DMPDB446.75(A)		DW-4D_DMPDB446.75(B)		DW-6B_DMPDB111.75		DW-6C_DMPDB287.75		DW-6D_DMPDB494.75		DW-7A_DMPDB123.8	
Date Sampled:			6/6/2022		6/6/2022		6/6/2022		6/6/2022		6/6/2022		6/2/2022	
LAB Sample ID:			460259679-1-21		460259679-1-22		460259679-1-30		460259679-1-31		460259679-1-32		460259452-1-6	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	6.6		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.96	J
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	19		54		2.5		4	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U -	0.71	U -	0.71	U -	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**32**		0.38	J	**8.4**		0.37	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.5	J	0.37	J	0.24	U	0.74	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**2.8**		0.38	J	0.97	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	**11**		**9.3**		0.47	J	**2.5**	
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

		Sample No.:	DW-7B_DMPDB171.75		DW-7C_DMPDB341.75		DW-7D_DMPDB426.75(A)		DW-7D_DMPDB426.75(B)		DW-8A_DMPDB117.75		DW-8B_DMPDB188.75	
		Date Sampled:	6/2/2022		6/2/2022		6/2/2022		6/2/2022		6/1/2022		6/1/2022	
		LAB Sample ID:	460259452-1-3		460259452-1-2		460259452-1-4		460259452-1-5		460259453-1-8		460259453-1-6	
		LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	5.1		4.4	U	5.2		22	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	1.0	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	2.1	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	*1.7*	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	2.7	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	2.8	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	9.3	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	4.1	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	1.0	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	1.9	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U
Chloroform	*67-66-3*	*70*	0.42	J	0.33	U	0.33	U	0.33	U	0.33	U	1.6	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	2.0	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	5		**73**		0.35	J	0.3	J	**360**		**860**	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*1.9*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	*1.4*	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*2.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	1.1	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	1.7	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	1.7	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	1.6	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	1.3	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	*2.2*	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.72	J	***1.6***	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	*1.8*	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	1.5	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	5.7	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	1.7	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	3.9	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	6.5	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	3.5	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	2.1	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	*1.8*	U
Tetrachloroethene	*127-18-4*	*1*	**440**		**4.8**		**12**		**8.3**		0.72	J	***110***	
Toluene	*108-88-3*	*600*	0.38	U	0.6	J	0.38	U	0.38	U	0.38	U	1.9	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.33	J	0.24	U	0.24	U	2.1		4.7	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	1.6	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	1.8	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	1.2	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	1.0	U
Trichloroethene	*79-01-6*	*1*	**1.1**		**3.4**		0.54	J	0.39	J	**1.2**		***14***	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	1.8	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.24	J	0.24	J	0.19	J	0.25	J	**2.7**	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	1.5	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	1.8	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	3.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	DW-8C_DMPDB303.75		DW-9A_DMPDB91.75		DW-11B_DMPDB96.75		DW-11D_DMPDB4412A_DMPDB13012B_DMPDB182 6.75		DW-.75		DW-.75	
Date Sampled:	6/1/2022		6/6/2022		6/6/2022		6/6/2022		6/3/2022		6/3/2022	
LAB Sample ID:	460259453-1-7		460259679-1-29		460259679-1-17		460259679-1-18		460259454-1-16		460259454-1-17	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	8.8	U	4.4	U	4.4	U	23		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.41	U	0.2	U	0.2	U	0.2	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.82	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.69	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	1.1	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	1.1	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.7	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	1.6	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.42	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.75	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.65	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.80	U	0.4	U	0.4	U	0.4	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**490**		0.84	J	0.22	U	0.22	U	0.82	J	1	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.44	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.75*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.56	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*1.0*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.42	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.68	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.67	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.53	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.86	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**1.2**	J	0.26	U	0.26	U	0.26	U	0.26	U	0.56	J
1,2-Dichloropropane	*78-87-5*	*1*	0.71	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.60	U	0.3	U	0.3	U	0.3	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	2.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.67	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	1.6	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.43	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	2.6	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	1.4	U	0.71	U -	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.63	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.83	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.73	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**19**		**150**		0.25	U	0.25	U	0.25	U	**1.8**	
Toluene	*108-88-3*	*600*	0.76	U	0.38	U	0.38	U	0.55	J	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	2.2		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.45	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.71	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.48	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.41	U	0.2	U	0.2	U	0.2	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**23**		0.64	J	0.31	U	0.31	U	0.31	U	0.45	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.73	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.68	J	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.59	U	0.3	U	0.3	U	0.3	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.72	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	1.3	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	DW-12CR_DMPDB5 16.8		DW-13-D2_DMPDB241.8		DW-16A_DMPDB21.75		DW-16B_DMPDB293.75		DW-16C_DMPDB434.75		DW-17C_DMPDB116.75	
Date Sampled:	6/3/2022		6/1/2022		6/3/2022		6/3/2022		6/3/2022		6/2/2022	
LAB Sample ID:	460259454-1-18		460259453-1-25		460259454-1-9		460259454-1-8		460259454-1-7		460259452-1-23	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	14		4.4	U	4.4	U	24		20		5.5	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.28	J	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.8	J	1.9	U	1.9	U	1.9	U	2.4	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.42	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.24	J	18		0.22	U	0.4	J	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U -	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U 1	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	**82**		0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.53	J	0.63	J	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**130**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.98	J	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.73	J	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.32	J	0.4	J	19		0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.83	J	0.71	U -	0.71	U	0.71	U	0.71	U	0.71	U -
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.58	J	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**7.5**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.59	J	0.38	U	0.43	J	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U -	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	2.3		0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**7.5**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.31	J	**1.8**		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	5.4		0.30	U	0.30	U	0.49	J	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	8.5		0.36	U	0.36	U	0.37	J	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	13.9		0.65	U	0.65	U	0.86	J	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	25.3	JN	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	DW-24_DMPDB171.75		DW-27B_DMPDB291.75		DW-27C_DMPDB4228A_DMPDB1.8		DW-18028B_DMPDB.8		DW-30729B_DMPDB.8		DW-286.75	
Date Sampled:	6/3/2022		6/1/2022		6/1/2022		5/31/2022		5/31/2022		6/1/2022	
LAB Sample ID:	460259454-1-44		460259453-1-44		460259453-1-35		460259173-1-40		460259173-1-42		460259453-1-13	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	5.6		4.4	U	8.9		10		7.8		6.7	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.82	J	2.5		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U -	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U 1	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.51	J	0.45	J	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	1.8		0.96	J
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.33	J	0.42	J	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U -	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**5.8**		**1.2**		**4.9**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	3.2		5	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.27	J	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U -	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.7	J	**20**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	2.8		0.96	J
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	3.6		1	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.30	U	6.4		1.96	
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			DW-29C_DMPDB4330B_DMPDB2568.8		DW-_DMPDB256.75		DW-31C_DMPDB4332A_DMPDB156.8		DW-_DMPDB15532B_DMPDB29.75		DW-_DMPDB29733A_DMPDB.75		DW-_DMPDB151.80	
Date Sampled:			6/1/2022		5/31/2022		5/31/2022		5/31/2022		5/31/2022		6/1/2022	
LAB Sample ID:			460259453-1-14		460259173-1-20		460259173-1-4		460259173-1-13		460259173-1-11		460259453-1-38	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.7	J	4.8	J	7.5		4.4	U	9.2		13	
Benzene	*71-43-2*	*1*	0.23	J	0.20	U	0.3	J	0.20	U	0.34	J	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.1	
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.35	J	**91**		0.22	U	0.33	J	0.52	J	0.8	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	3.8		8.3		18	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.47	J	0.26	U	**1.7**		**1.8**		**4.8**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.48	J	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.63	J	5		7.8		1.6	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**3.7**		**7.8**		0.25	U	0.42	J	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.64	J	3		3.9		0.38	U	0.39	J	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.64	J	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U +	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**1.4**		**5.9**		0.31	U	0.41	J	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.38	J	**3.4**	
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.49	J	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.49	J	0.30	U	0.30	U	0.30	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			DW-33B_DMPDB275.8		DW-33C_DMPDB4134B_DMPDB28637B_DMPDB29638A_DMPDB17738B_DMPDB248.8													
Date Sampled:			6/1/2022		6/1/2022		6/3/2022		6/6/2022		6/6/2022		6/6/2022					
LAB Sample ID:			460259453-1-39		460259453-1-40		460259454-1-3		460259679-1-10		460259679-1-7		460259679-1-8					
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																
Acetone	*67-64-1*	*6000*	18		9.4		4.4	U	12		7.5		4.4	U				
Benzene	*71-43-2*	*1*	0.20	U	0.63	J	0.20	U	0.2	U	0.2	U	0.2	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	J	1.9	U	1.9	U	1.9	U	1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.8		0.33	U	0.33	U	0.67	J				
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.4	U	0.4	U	0.4	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.47	J	0.45	J	10		0.38	J	0.22	U	1.2					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.5*	U	*0.5*	U	*0.5*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.7	J	0.97	J	**53**		0.26	U	0.26	U	0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.72	J	0.43	U	0.43	U	0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.38	J	0.26	U	**140**		0.26	U	0.26	U	0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND					
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.33	J	0.30	U	0.3	U	0.3	U	0.3	U				
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.41	J	0.3	J	0.24	J	0.22	U	0.22	U	0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	1.3		0.32	U	0.32	U	0.32	U				
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**11**		**5.2**		1		**24**					
Toluene	*108-88-3*	*600*	1.3		2.2		0.38	U	0.38	U	0.38	U	0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	1.6		0.31	U	0.31	U	0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	2.8		0.24	U	0.24	U	0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.2	U	0.2	U	0.2	U				
Trichloroethene	*79-01-6*	*1*	0.48	J	0.31	U	**12**		**2.7**		**1.5**		**1.7**					
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA					
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.28	J	0.17	U	0.17	U	0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.55	J	0.30	U	0.3	U	0.3	U	0.3	U				
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.55	U	0.65	U	0.65	U	0.65	U	0.65	U				
Total VOC TIC	*SRP170*	*500*	8.4	JN	5.6	JN	ND	U	ND	U	ND	U	ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	DW-39B_DMPDB292.8	DW-39C_DMPDB4940A_DMPDB2.8	DW-MPDB13840B_DMPDB246.8	DW-40C_DMPDB39 6.8	DW-41C_DMPDB42 6.8
Date Sampled:	6/2/2022	6/2/2022	6/1/2022	6/1/2022	6/1/2022	6/6/2022
LAB Sample ID:	460259452-1-15	460259452-1-16	460259453-1-31	460259453-1-29	460259453-1-30	460259679-1-28
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS												
Acetone	*67-64-1*	*6000*	4.4	U	6		4.4	U	4.4	U	17		4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.21	J	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	5.1		1.9	U	1.9	U	2.1	J	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	12	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U -	0.32	U -	0.32	U -	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U 1	0.31	U 1	0.31	U 1	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.45	J
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	1.2		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U -	0.71	U -	0.71	U -	0.71	U -
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**3.6**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.66	J	1	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U -	0.31	U -	0.31	U -	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	**3.4**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.26	J	0.39	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	1.6	
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.79	J
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	2.39	
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	59	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	DW-45A_DMPDB12152A.8	DW-DMPDB12658A.8	DW-DMPDB21664A.8	DW-DMPDB236.8	DW-65-73-S2	DW-65-91-S3
Date Sampled:	6/6/2022	6/6/2022	6/6/2022	6/2/2022	5/19/2022	5/19/2022
LAB Sample ID:	460259679-1-27	460259679-1-51	460259679-1-45	460259452-1-11	460258640-1-11	460258640-1-10
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS												
Acetone	67-64-1	6000	4.4	J	4.4	U	4.4	U	31		4.4	U	4.4	U
Benzene	71-43-2	1	0.2	U	0.2	U	0.2	U	0.20	U	0.6	J	**1.7**	
Bromochloromethane	74-97-5	100	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	75-27-4	1	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	75-25-2	4	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	74-83-9	10	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	78-93-3	300	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	75-15-0	700	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	56-23-5	1	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	108-90-7	50	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	75-00-3	100	0.32	U	0.32	U	0.32	U	0.32	U	3.2		2.1	
Chloroform	67-66-3	70	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	74-87-3	100	0.4	U	0.4	U	0.4	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	156-59-2	70	6		1.4		0.22	U	0.22	U	0.69	J	0.22	U
cis-1,3-Dichloropropene	10061-01-5	--	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	110-82-7	100	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	96-12-8	0.02	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	124-48-1	1	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	106-93-4	0.03	*0.5*	U	*0.5*	U	*0.5*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	95-50-1	600	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	541-73-1	600	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	106-46-7	75	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	75-71-8	1000	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	75-34-3	50	0.26	U	0.26	U	0.26	U	0.26	U	1.6		1.6	
1,2-Dichloroethane	107-06-2	2	0.43	U	0.43	U	0.43	U	0.43	U	**2.2**		1.6	
1,1-Dichloroethene	75-35-4	1	0.26	U	0.26	U	0.26	U	0.26	U	**5.8**		**1.3**	
1,2-Dichloropropane	78-87-5	1	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	542-75-6	1	ND		ND		ND		ND		ND		ND	
Ethylbenzene	100-41-4	700	0.3	U	0.3	U	0.3	U	0.30	U	0.30	U	0.30	U
2-Hexanone	591-78-6	40	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	98-82-8	700	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	79-20-9	7000	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	1634-04-4	70	0.22	U	0.22	U	0.22	U	0.22	U	**160**		**330**	
4-methyl-2-pentanone (MIBK)	108-10-1	100	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	108-87-2	100	0.71	U	0.71	U	0.71	U -	0.71	U	0.71	U	0.71	U
Methylene chloride	75-09-2	3	0.32	U	0.32	U	0.32	U	0.52	J	0.32	U	0.32	U
Styrene	100-42-5	100	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	127-18-4	1	0.32	J	0.35	J	0.25	U	**10**		0.25	U	0.25	U
Toluene	108-88-3	600	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	156-60-5	100	1.1		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	10061-02-6	--	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	76-13-1	20000	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	87-61-6	100	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	71-55-6	30	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	79-00-5	3	0.2	U	0.2	U	0.2	U	0.20	U	0.20	U	0.20	U
Trichloroethene	79-01-6	1	**1.1**		0.31	U	0.31	U	**1.4**		0.34	J	0.31	U
Trichlorofluoromethane	75-69-4	2000	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	96-18-4	0.03	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	120-82-1	9	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	75-01-4	1	**5**		**1.2**		0.17	U	0.17	U	**4.4**		0.17	U
m,p-Xylene	179601-23-1	--	0.3	U	0.3	U	0.3	U	0.30	U	0.30	U	0.30	U
o-Xylene	95-47-6	--	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	1330-20-7	1000	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	SRP170	500	7.2	J	ND	U	ND	U	ND	U	16	JN	34.3	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
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NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

			Sample No.:	DW-65-119-S3		DW-65-145-D1		DW-65-154-D1		DW-65-176-D1		DW-65-199-D1		DW-65-221-D1	
			Date Sampled:	5/19/2022		5/19/2022		5/19/2022		5/19/2022		5/19/2022		5/19/2022	
			LAB Sample ID:	460258640-1-9		460258640-1-8		460258640-1-7		460258640-1-6		460258640-1-5		460258640-1-4	
			LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.21	J	0.23	J
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	11		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.38	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.39	J	7.6		1	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.37	J	0.98	J	1.3		3.7		1	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.6	J	0.97	J	**1.3**		0.3	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.5		1.4		3.7		0.22	U	1.2		0.77	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.75	J	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.58	J	0.78	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	**1.3**	
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	38.7	JN	73	JN	ND	U	ND	U	40.1	JN	59	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			DW-65-262-D2		DW-65-350-D2		DW-67B_DMPDB26968A_DMPDB202.5		DW-.5		DW-70-83-S3		DW-70-114-S3	
Date Sampled:			5/19/2022		5/19/2022		6/3/2022		6/2/2022		5/19/2022		5/19/2022	
LAB Sample ID:			460258640-1-3		460258640-1-2		460259454-1-15		460259452-1-40		460258640-1-19		460258640-1-18	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.45	J
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.59	J	1.8	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	12		0.45	J	3.5		0.22	U	3.4		12	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.34	J	0.58	J
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	J	0.67	J
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	2.7		0.8	J	0.58	J	0.26	U	6.5		34	
1,2-Dichloroethane	*107-06-2*	*2*	**43**		1.1		**2.3**		0.43	U	1.2		**4.2**	
1,1-Dichloroethene	*75-35-4*	*1*	**3.6**		0.26	U	0.26	U	0.26	U	**12**		**74**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	8.9		0.22	U	1.8		0.24	J	0.87	J	3	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2.8**		0.25	U	0.25	U	0.25	U	**3**		**18**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.9	J	0.31	U	0.31	U	0.31	U	5		15	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.37	J	0.7	J
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.22	J
Trichloroethene	*79-01-6*	*1*	**19**		0.41	J	0.31	U	0.31	U	**24**		**73**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.71	J	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.86	J	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	1.4		0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	2.26		0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	9.9	J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-70-123-D1		DW-70-150-D1 (A)		DW-70-150-D1 (B)		DW-70-174-D1		DW-70-205-D1		DW-70-261-D2	
	Date Sampled:	5/19/2022		5/19/2022		5/19/2022		5/19/2022		5/19/2022		5/19/2022	
	LAB Sample ID:	460258640-1-17		460258640-1-15		460258640-1-16		460258640-1-14		460258640-1-13		460258640-1-12	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.25	J	0.31	J	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	2		13		15		0.38	U	0.38	U	5.7	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.57	J	0.92	J	1		1.9		0.33	U	0.38	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	6.2		3.7		4.3		3.6		0.36	J	5.2	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	9.4		86		94		0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	2.3		20		22		0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	8.4		**76**		**84**		0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	34		20		25		20		0.98	J	5.2	
1,2-Dichloroethane	*107-06-2*	*2*	1.6		0.7	J	0.77	J	0.5	J	0.43	U	**3.7**	
1,1-Dichloroethene	*75-35-4*	*1*	**90**		**32**		**53**		**40**		**2.6**		**7.7**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	2.6		1.5		1.3		0.26	J	0.22	U	2.4	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**3.6**		**3.3**		**4.7**		**4.9**		0.61	J	**3.5**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	1.3		0.69	J	0.94	J	2		0.32	J	1.7	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.5	J	6.1		7.3		0.79	J	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.6		1		1.6		1.1		0.24	U	0.26	J
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**10**		**5.5**		**7.2**		**6.2**		0.74	J	**15**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.59	J	7.7		8.8		0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	9.2	J	ND	U	7.6	J	ND	U	ND	U	7.8	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-72-120-S3		DW-72-146-S3		DW-72-167-D1 (A)		DW-72-167-D1 (B)		DW-72-176-D1		DW-72-217-D1	
	Date Sampled:	5/20/2022		5/20/2022		5/20/2022		5/20/2022		5/20/2022		5/20/2022	
	LAB Sample ID:	460258640-1-27		460258640-1-26		460258640-1-24		460258640-1-25		460258640-1-23		460258640-1-22	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.1		0.33	U	0.41	J	0.4	J	0.97	J	0.66	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**4.9**		**43**		**6.6**		**8.7**		**64**		**9.4**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.78	J	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	6.2	J	ND	U	ND	U	5.6	J	ND	U	9.1	J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-72-237-D1	DW-72-316-D2	IW-157C2_DMPDB95.0	IW-168B_DMPDB43.5	IW-168C1_DMPDB68.5(A)	IW-168C1_DMPDB68.5(B)
	Date Sampled:	5/20/2022	5/20/2022	6/6/2022	6/6/2022	6/6/2022	6/6/2022
	LAB Sample ID:	460258640-1-21	460258640-1-20	460259679-1-41	460259679-1-36	460259679-1-37	460259679-1-38
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	7.7		4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.87	J	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.4	U	0.4	U	0.5	J	0.4	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	1.3		1.5		3		3.8		2.6	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.91	J	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.31	J	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.3	U	0.3	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U -	0.71	U -	0.71	U -
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**35**		**52**		0.48	J	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**160**		0.31	U	0.84	J	**1.1**		0.54	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.19	J	0.67	J	**3.6**		**3.5**	
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.3	U	0.3	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	5.8	J	6.1	J	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	IW-168C2_DMPDB197A_DMPDB93.5		IW-26199B_DMPDB40.3		IW-DMPDB40.6		MW-1G_DMPDB10.75		MW-2G_DMPDB10.75		MW-15A_DMPDB13.25	
Date Sampled:	6/6/2022		6/2/2022		6/2/2022		6/1/2022		6/1/2022		6/3/2022	
LAB Sample ID:	460259679-1-35		460259452-1-32		460259452-1-33		460259453-1-3		460259453-1-2		460259454-1-49	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	10		12		4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.2	U	**3**		0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	**66**		24		0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	1.1		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.4	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**120**		0.22	U	1.4		2.4		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.48	J	0.26	U	9.3		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.79	J	0.26	U	0.26	U	**12**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U -	0.71	U -	0.71	U -	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**230**		0.25	U	0.25	U	**2.2**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.61	J	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	1.1		0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**9.6**		0.31	U	0.31	U	**6.5**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.63	J	0.17	U	**1.3**		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	8.4	JN	ND	U	ND	U	9.6	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-16_DMPDB10.5		MW-22A_DMPDB40.75		MW-24_DMPDB32.0		MW-24C_DMPDB40.0		MW-43_DMPDB21.85		MW-44_DMPDB16.0	
Date Sampled:			5/31/2022		6/6/2022		6/1/2022		6/6/2022		6/1/2022		5/31/2022	
LAB Sample ID:			460259173-1-14		460259679-1-46		460259453-1-10		460259679-1-47		460259453-1-18		460259173-1-32	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.5	J	4.4	U	8.8	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.2	U	0.20	U	0.41	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.82	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.69	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	1.1	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	1.1	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	3.7	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	1.6	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.42	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	1.3	J	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.65	U	0.38	J	0.57	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.4	U	0.40	U	0.8	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.25	J	16		**480**		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.44	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U -	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.75*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.56	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.5*	U	*0.50*	U	*1*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	1.6	J	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.68	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.67	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U 1	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.56	J	0.26	U	0.53	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.97	J	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**2.2**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.71	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.3	U	0.30	U	0.6	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	2.3	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.67	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	1.6	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.77	J	0.22	U	0.43	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	2.6	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U -	0.71	U	1.4	U	0.71	U -	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.63	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.83	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**18**		**11**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.76	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	2.5		0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.45	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U -	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.71	U	0.36	U	0.36	U +
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.48	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.2	U	0.20	U	0.41	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**5.9**		**5**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.32	J	**23**		0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.3	U	0.30	U	0.59	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.72	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.30	U	0.65	U	0.65	U	1.3	U	0.65	U	0.30	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-44_DMPDB16.0T		MW-44B_DMPDB41.75		MW-44C_DMPDB76.75		MW-46_DMPDB58.75		MW-58_DMPDB32.75		MW-58_DMPDB32.75T	
Date Sampled:			5/31/2022		6/1/2022		6/1/2022		6/6/2022		5/31/2022		5/31/2022	
LAB Sample ID:			460259172-1-16		460259453-1-36		460259453-1-37		460259679-1-2		460259173-1-2		460259172-1-2	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	NA		4.4	U	4.4	U	4.4	U	4.4	U	NA	
Benzene	*71-43-2*	*1*	NA		0.20	U	0.20	U	0.2	U	0.20	U	NA	
Bromochloromethane	*74-97-5*	*100*	NA		0.41	U	0.41	U	0.41	U	0.41	U	NA	
Bromodichloromethane	*75-27-4*	*1*	NA		0.34	U	0.34	U	0.34	U	0.34	U	NA	
Bromoform	*75-25-2*	*4*	NA		0.54	U	0.54	U	0.54	U	0.54	U	NA	
Bromomethane	*74-83-9*	*10*	NA		0.55	U	0.55	U	0.55	U	0.55	U	NA	
2-Butanone (MEK)	*78-93-3*	*300*	NA		1.9	U	1.9	U	1.9	U	1.9	U	NA	
Carbon Disulfide	*75-15-0*	*700*	NA		0.82	U	0.82	U	0.82	U	0.82	U	NA	
Carbon tetrachloride	*56-23-5*	*1*	NA		0.21	U	0.21	U	0.21	U	0.21	U	NA	
Chlorobenzene	*108-90-7*	*50*	NA		0.38	U	0.38	U	0.38	U	0.38	U	NA	
Chloroethane	*75-00-3*	*100*	NA		0.32	U	0.32	U	0.32	U	0.32	U	NA	
Chloroform	*67-66-3*	*70*	NA		0.56	J	0.52	J	0.33	U	0.33	U	NA	
Chloromethane	*74-87-3*	*100*	NA		0.40	U	0.40	U	0.4	U	0.40	U	NA	
cis-1,2-Dichloroethene	*156-59-2*	*70*	NA		0.22	U	0.22	U	0.22	U	0.22	U	NA	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	NA		0.22	U	0.22	U	0.22	U	0.22	U	NA	
Cyclohexane	*110-82-7*	*100*	NA		0.32	U -	0.32	U -	0.32	U	0.32	U	NA	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	NA		*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	NA	
Dibromochloromethane	*124-48-1*	*1*	NA		0.28	U	0.28	U	0.28	U	0.28	U	NA	
1,2-Dibromoethane	*106-93-4*	*0.03*	NA		*0.50*	U	*0.50*	U	*0.5*	U	*0.50*	U	NA	
1,2-Dichlorobenzene	*95-50-1*	*600*	NA		0.21	U	0.21	U	0.21	U	0.21	U	NA	
1,3-Dichlorobenzene	*541-73-1*	*600*	NA		0.34	U	0.34	U	0.34	U	0.34	U	NA	
1,4-Dichlorobenzene	*106-46-7*	*75*	NA		0.33	U	0.33	U	0.33	U	0.33	U	NA	
Dichlorodifluoromethane	*75-71-8*	*1000*	NA		0.31	U 1	0.31	U 1	0.31	U	0.31	U	NA	
1,1-Dichloroethane	*75-34-3*	*50*	NA		0.26	U	0.26	U	0.26	U	0.26	U	NA	
1,2-Dichloroethane	*107-06-2*	*2*	NA		0.43	U	0.43	U	0.43	U	0.43	U	NA	
1,1-Dichloroethene	*75-35-4*	*1*	NA		0.26	U	0.26	U	0.26	U	0.26	U	NA	
1,2-Dichloropropane	*78-87-5*	*1*	NA		0.35	U	0.35	U	0.35	U	0.35	U	NA	
1,3-Dichloropropene (total)	*542-75-6*	*1*	NA		ND		ND		ND		ND		NA	
Ethylbenzene	*100-41-4*	*700*	NA		0.30	U	0.30	U	0.3	U	0.30	U	NA	
2-Hexanone	*591-78-6*	*40*	NA		1.1	U	1.1	U	1.1	U	1.1	U	NA	
Isopropylbenzene	*98-82-8*	*700*	NA		0.34	U	0.34	U	0.34	U	0.34	U	NA	
Methyl Acetate	*79-20-9*	*7000*	NA		0.79	U	0.79	U	0.79	U	0.79	U	NA	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	NA		0.22	U	0.22	U	0.22	U	0.22	U	NA	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	NA		1.3	U	1.3	U	1.3	U	1.3	U	NA	
Methylcyclohexane	*108-87-2*	*100*	NA		0.71	U -	0.71	U -	0.71	U	0.71	U	NA	
Methylene chloride	*75-09-2*	*3*	NA		0.32	U	0.32	U	0.32	U	0.32	U	NA	
Styrene	*100-42-5*	*100*	NA		0.42	U	0.42	U	0.42	U	0.42	U	NA	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	NA		0.37	U	0.37	U	0.37	U	0.37	U	NA	
Tetrachloroethene	*127-18-4*	*1*	NA		0.25	U	0.25	U	0.25	U	0.25	U	NA	
Toluene	*108-88-3*	*600*	NA		0.38	U	0.38	U	0.38	U	0.38	U	NA	
trans-1,2-Dichloroethene	*156-60-5*	*100*	NA		0.24	U	0.24	U	0.24	U	0.24	U	NA	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	NA		0.22	U	0.22	U	0.22	U	0.22	U	NA	
Freon 113	*76-13-1*	*20000*	NA		0.31	U -	0.31	U -	0.31	U	0.31	U	NA	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	NA		0.36	U	0.36	U	0.36	U	0.36	U	NA	
1,1,1-Trichloroethane	*71-55-6*	*30*	NA		0.24	U	0.24	U	0.24	U	0.24	U	NA	
1,1,2-Trichloroethane	*79-00-5*	*3*	NA		0.20	U	0.20	U	0.2	U	0.20	U	NA	
Trichloroethene	*79-01-6*	*1*	NA		0.31	U	0.31	U	0.31	U	0.31	U	NA	
Trichlorofluoromethane	*75-69-4*	*2000*	NA		0.32	U	0.32	U	0.32	U	0.32	U	NA	
1,2,3-Trichloropropane	*96-18-4*	*0.03*	0.012	U	NA		NA		NA		NA		0.012	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	NA		0.37	U	0.37	U	0.37	U	0.37	U	NA	
Vinyl Chloride	*75-01-4*	*1*	NA		0.17	U	0.17	U	0.17	U	0.17	U	NA	
m,p-Xylene	*179601-23-1*	*--*	NA		0.30	U	0.30	U	0.3	U	0.30	U	NA	
o-Xylene	*95-47-6*	*--*	NA		0.36	U	0.36	U	0.36	U	0.36	U	NA	
Xylenes (total)	*1330-20-7*	*1000*	NA		0.65	U	0.65	U	0.65	U	0.30	U	NA	
Total VOC TIC	*SRP170*	*500*	NA		ND	U	ND	U	ND	U	ND	U	NA	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-80C_DMPDB15.5			MW-102_DMPDB11.10			MW-104B_DMPDB30.1			MW-105A_DMPDB7.9			MW-105B_DMPDB36.0			MW-106A_DMPDB9.4	
Date Sampled:			6/1/2022			6/6/2022			6/3/2022			6/6/2022			6/6/2022			6/3/2022	
LAB Sample ID:			460259453-1-9			460259679-1-42			460259454-1-36			460259679-1-15			460259679-1-16			460259454-1-35	
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***																	
Acetone	*67-64-1*	*6000*	4.4	U		4.4	U		4.4	U		4.4	U		4.4	U		4.4	U
Benzene	*71-43-2*	*1*	0.20	U		0.2	U		0.20	U		0.2	U		0.2	U		0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U	1	1.9	U		1.9	U		1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.47	J		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Chloroform	*67-66-3*	*70*	1.3			0.33	U		0.33	U		0.33	U		0.33	U		0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U		0.4	U		0.40	U		0.4	U		0.4	U		0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**190**			1.6			1.6			0.22	U		0.22	U		1.5	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		*0.5*	U		*0.50*	U		*0.5*	U		*0.5*	U		*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.9	J		0.33	J		0.31	U		0.31	U		0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		6.3	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.97	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U		0.3	U		0.30	U		0.3	U		0.3	U		0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U	1	1.1	U		1.1	U		1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U	-	0.71	U		0.71	U		0.71	U		0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U
Tetrachloroethene	*127-18-4*	*1*	**310**			**3.9**			0.25	U		0.25	U		0.25	U		0.32	J
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	1.3			0.24	U		0.24	U		0.24	U		0.24	U		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		0.2	U		0.20	U		0.2	U		0.2	U		0.20	U
Trichloroethene	*79-01-6*	*1*	**25**			0.34	J		0.51	J		0.31	U		0.31	U		0.68	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA			NA			NA			NA			NA			NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U
Vinyl Chloride	*75-01-4*	*1*	**2**			0.23	J		0.17	U		0.17	U		0.17	U		0.7	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U		0.3	U		0.30	U		0.3	U		0.3	U		0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-106B_DMPDB31.2		MW-112A_DMPDB7.25		MW-112A_DMPDB7.25T		MW-114_DMPDB75.4(A)		MW-114_DMPDB75.4(B)		MW-114A_DMPDB71.8	
Date Sampled:	6/3/2022		5/31/2022		5/31/2022		5/31/2022		5/31/2022		5/31/2022	
LAB Sample ID:	460259454-1-34		460259173-1-24		460259172-1-12		460259173-1-30		460259173-1-31		460259173-1-8	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	9.3		4.4	U	NA		4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	NA		0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	NA		0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	NA		0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	NA		0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	NA		0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	2.5	J 1	1.9	U	NA		1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	NA		0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	NA		0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	NA		0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	NA		0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	2.2		NA		8.6		7		0.92	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	NA		0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.49	J	0.47	J	NA		0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	NA		0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	NA		0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	NA		*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	NA		0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	NA		*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	NA		0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	NA		0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	NA		0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	NA		0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	NA		0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	NA		0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	NA		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	NA		0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		NA		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	NA		0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U 1	1.1	U	NA		1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	NA		0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	NA		0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	NA		0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	NA		1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	NA		0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	NA		0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	NA		0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	NA		0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**180**		NA		0.4	J	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	NA		0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	NA		0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	NA		0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	NA		0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U +	NA		0.36	U +	0.36	U +	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	NA		0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	NA		0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.6	J	NA		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	NA		0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		0.012	U	NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	NA		0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	NA		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	NA		0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	NA		0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.30	U	NA		0.30	U	0.30	U	0.30	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	NA		ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-114A_DMPDB71.8T	MW-117_DMPDB71.25(A)	MW-117_DMPDB71.25(B)	MW-120_DMPDB76.75(A)	MW-120_DMPDB76.75(B)	MW-124A_DMPDB23.0
Date Sampled:	5/31/2022	6/3/2022	6/3/2022	6/6/2022	6/6/2022	6/2/2022
LAB Sample ID:	460259172-1-6	460259454-1-47	460259454-1-48	460259679-1-5	460259679-1-6	460259452-1-27
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS												
Acetone	*67-64-1*	*6000*	NA		4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	NA		0.20	U	0.20	U	0.2	U	0.2	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	NA		0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	NA		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	NA		0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	NA		0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	NA		1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	NA		0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	NA		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	NA		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	NA		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	NA		0.33	U	0.33	U	0.33	U	0.33	U	4	
Chloromethane	*74-87-3*	*100*	NA		0.40	U	0.40	U	0.4	U	0.4	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	NA		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	NA		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	NA		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	NA		*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	NA		0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	NA		*0.50*	U	*0.50*	U	*0.5*	U	*0.5*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	NA		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	NA		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	NA		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	NA		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	NA		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	NA		0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	NA		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	NA		0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	NA		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	NA		0.30	U	0.30	U	0.3	U	0.3	U	0.30	U
2-Hexanone	*591-78-6*	*40*	NA		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	NA		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	NA		0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	NA		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	NA		1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	NA		0.71	U	0.71	U	0.71	U	0.71	U	0.71	U -
Methylene chloride	*75-09-2*	*3*	NA		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	NA		0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	NA		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	NA		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	NA		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	NA		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	NA		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	NA		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	NA		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	NA		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	NA		0.20	U	0.20	U	0.2	U	0.2	U	0.20	U
Trichloroethene	*79-01-6*	*1*	NA		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	NA		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	0.012	U	NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	NA		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	NA		0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	NA		0.30	U	0.30	U	0.3	U	0.3	U	0.30	U
o-Xylene	*95-47-6*	*--*	NA		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	NA		0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	NA		ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-124B_DMPDB25.75(A)	MW-124B_DMPDB25.75(B)	MW-126_DMPDB8.5	MW-126_DMPDB8.5T	MW-126B_DMPDB41.8	MW-126C_DMPDB76.8
Date Sampled:	6/2/2022	6/2/2022	5/31/2022	5/31/2022	6/1/2022	6/1/2022
LAB Sample ID:	460259452-1-28	460259452-1-29	460259173-1-28	460259172-1-15	460259453-1-32	460259453-1-33
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	NA		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	NA		0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	NA		0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	NA		0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	NA		0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	NA		0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	NA		1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	NA		0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	NA		0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	NA		0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	NA		0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	NA		0.49	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	NA		0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.6	J	NA		2.3		4.1	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	NA		0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	NA		0.32	U -	0.32	U -
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	NA		*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	NA		0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	NA		*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	NA		0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	NA		0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	NA		0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	NA		0.31	U 1	0.31	U 1
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	2.1		NA		8.9		13	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	NA		0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**1.2**		NA		**5.8**		**11**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	NA		0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		NA		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	NA		0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	NA		1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	NA		0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	NA		0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	1.6		NA		6.5		8.6	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	NA		1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U -	0.71	U -	0.71	U	NA		0.71	U -	0.71	U -
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	NA		0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	NA		0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	NA		0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.41	J	NA		0.96	J	**1.9**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	NA		0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	NA		0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	NA		0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	NA		0.31	U -	0.31	U -
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U +	NA		0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	NA		0.47	J	0.82	J
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	NA		0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.88	J	NA		**3**		**5.4**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	NA		0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		0.012	U	NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	NA		0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	NA		0.17	U	0.3	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	NA		0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	NA		0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.30	U	NA		0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	NA		5.7	JN	9.8	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-131_DMPDB14.45	MW-131_DMPDB14.45T	MW-131B_DMPDB33.8	MW-131C_DMPDB76.8	MW-136_DMPDB14.0	MW-136_DMPDB14.0T
Date Sampled:	5/31/2022	5/31/2022	6/2/2022	6/2/2022	5/31/2022	5/31/2022
LAB Sample ID:	460259173-1-19	460259172-1-10	460259452-1-24	460259452-1-25	460259173-1-35	460259172-1-18
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS															
Acetone	*67-64-1*	*6000*	4.4	U	NA		4.4	U	4.4	U	6.1		NA				
Benzene	*71-43-2*	*1*	0.20	U	NA		0.20	U	0.20	U	0.20	U	NA				
Bromochloromethane	*74-97-5*	*100*	0.41	U	NA		0.41	U	0.41	U	0.41	U	NA				
Bromodichloromethane	*75-27-4*	*1*	0.34	U	NA		0.34	U	0.34	U	0.34	U	NA				
Bromoform	*75-25-2*	*4*	0.54	U	NA		0.54	U	0.54	U	0.54	U	NA				
Bromomethane	*74-83-9*	*10*	0.55	U	NA		0.55	U	0.55	U	0.55	U	NA				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	NA		1.9	U	1.9	U	1.9	U	NA				
Carbon Disulfide	*75-15-0*	*700*	0.82	U	NA		0.82	U	0.82	U	0.82	U	NA				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	NA		0.21	U	0.21	U	0.21	U	NA				
Chlorobenzene	*108-90-7*	*50*	0.38	U	NA		0.38	U	0.38	U	0.38	U	NA				
Chloroethane	*75-00-3*	*100*	0.32	U	NA		0.32	U	0.32	U	0.32	U	NA				
Chloroform	*67-66-3*	*70*	0.33	U	NA		0.33	U	0.75	J	0.33	U	NA				
Chloromethane	*74-87-3*	*100*	0.40	U	NA		0.40	U	0.40	U	0.40	U	NA				
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	NA		0.22	U	0.22	U	0.22	U	NA				
cis-1,3-Dichloropropene	*10061-01-5*	--	0.22	U	NA		0.22	U	0.22	U	0.22	U	NA				
Cyclohexane	*110-82-7*	*100*	0.32	U	NA		0.32	U	0.32	U	0.32	U	NA				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	NA		*0.38*	U	*0.38*	U	*0.38*	U	NA				
Dibromochloromethane	*124-48-1*	*1*	0.28	U	NA		0.28	U	0.28	U	0.28	U	NA				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	NA		*0.50*	U	*0.50*	U	*0.50*	U	NA				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	NA		0.21	U	0.21	U	0.21	U	NA				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	NA		0.34	U	0.34	U	0.34	U	NA				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	NA		0.33	U	0.33	U	0.33	U	NA				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	NA		0.31	U	0.31	U	0.31	U	NA				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	NA		0.26	U	0.26	U	0.26	U	NA				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	NA		0.43	U	0.43	U	0.43	U	NA				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	NA		0.26	U	0.26	U	0.26	U	NA				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	NA		0.35	U	0.35	U	0.35	U	NA				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		NA		ND		ND		ND		NA				
Ethylbenzene	*100-41-4*	*700*	0.30	U	NA		0.30	U	0.30	U	0.30	U	NA				
2-Hexanone	*591-78-6*	*40*	1.1	U	NA		1.1	U	1.1	U	1.1	U	NA				
Isopropylbenzene	*98-82-8*	*700*	0.34	U	NA		0.34	U	0.34	U	0.34	U	NA				
Methyl Acetate	*79-20-9*	*7000*	0.79	U	NA		0.79	U	0.79	U	0.79	U	NA				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	NA		0.22	U	0.22	U	0.22	U	NA				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	NA		1.3	U	1.3	U	1.3	U	NA				
Methylcyclohexane	*108-87-2*	*100*	0.71	U	NA		0.71	U -	0.71	U -	0.71	U	NA				
Methylene chloride	*75-09-2*	*3*	0.32	U	NA		0.32	U	0.32	U	0.32	U	NA				
Styrene	*100-42-5*	*100*	0.42	U	NA		0.42	U	0.42	U	0.42	U	NA				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	NA		0.37	U	0.37	U	0.37	U	NA				
Tetrachloroethene	*127-18-4*	*1*	0.25	U	NA		0.25	U	0.25	U	0.25	U	NA				
Toluene	*108-88-3*	*600*	0.38	U	NA		0.38	U	0.38	U	0.38	U	NA				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	NA		0.24	U	0.24	U	0.24	U	NA				
trans-1,3-Dichloropropene	*10061-02-6*	--	0.22	U	NA		0.22	U	0.22	U	0.22	U	NA				
Freon 113	*76-13-1*	*20000*	0.31	U	NA		0.31	U	0.31	U	0.31	U	NA				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U +	NA		0.36	U	0.36	U	0.36	U +	NA				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	NA		0.24	U	0.24	U	0.24	U	NA				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	NA		0.20	U	0.20	U	0.20	U	NA				
Trichloroethene	*79-01-6*	*1*	0.31	U	NA		0.31	U	0.31	U	0.31	U	NA				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	NA		0.32	U	0.32	U	0.32	U	NA				
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		0.012	U	NA		NA		NA		0.012	U			
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	NA		0.37	U	0.37	U	0.37	U	NA				
Vinyl Chloride	*75-01-4*	*1*	0.17	U	NA		0.17	U	0.17	U	0.17	U	NA				
m,p-Xylene	*179601-23-1*	--	0.30	U	NA		0.30	U	0.30	U	0.30	U	NA				
o-Xylene	*95-47-6*	--	0.36	U	NA		0.36	U	0.36	U	0.36	U	NA				
Xylenes (total)	*1330-20-7*	*1000*	0.30	U	NA		0.65	U	0.65	U	0.30	U	NA				
Total VOC TIC	*SRP170*	*500*	ND	U	NA		ND	U	ND	U	ND	U	NA				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-136B_DMPDB45.0		MW-136C_DMPDB95.0		MW-143_DMPDB1865		MW-143B_DMPDB46.8		MW-143C_DMPDB7145.8		MW-145A_DMPDB24.3	
Date Sampled:	6/2/2022		6/2/2022		6/2/2022		6/2/2022		6/2/2022		6/3/2022	
LAB Sample ID:	460259452-1-38		460259452-1-39		460259452-1-22		460259452-1-20		460259452-1-21		460259454-1-26	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.41	J	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.29	J	0.3	J	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	1.6		1.5		0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.49	J	0.6	J
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.43	J	0.28	J	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U -	0.71	U -	0.71	U -	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**56**		**26**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.78	J	0.86	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	5.2	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-146A_DMPDB23.3		MW-146B_DMPDB53.75		MW-146C_DMPDB6.75		MW-6148A_DMPDB24.35		MW-148A_DMPDB24.35T		MW-148B_DMPDB44.85	
Date Sampled:	6/6/2022		6/6/2022		6/6/2022		5/31/2022		5/31/2022		6/2/2022	
LAB Sample ID:	460259679-1-26		460259679-1-24		460259679-1-25		460259173-1-21		460259172-1-11		460259452-1-26	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	NA		4.4	U
Benzene	*71-43-2*	*1*	0.2	U	0.2	U	0.2	U	0.20	U	NA		0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	NA		0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	NA		0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	NA		0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	NA		0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	NA		1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	NA		0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	NA		0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	NA		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	NA		0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	NA		4.7	
Chloromethane	*74-87-3*	*100*	0.4	U	0.4	U	0.4	U	0.40	U	NA		0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	1.2		0.22	U	NA		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	NA		0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	NA		0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	NA		*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	NA		0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.5*	U	*0.5*	U	*0.5*	U	*0.50*	U	NA		*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	NA		0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	NA		0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	NA		0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	NA		0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	NA		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	NA		0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	NA		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	NA		0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		NA		ND	
Ethylbenzene	*100-41-4*	*700*	0.3	U	0.3	U	0.3	U	0.30	U	NA		0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	NA		1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	NA		0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	NA		0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.83	J	0.22	U	0.22	U	NA		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	NA		1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	NA		0.71	U -
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	NA		0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	NA		0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	NA		0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**17**		0.25	U	NA		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	NA		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	NA		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	NA		0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	NA		0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U +	NA		0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	NA		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.2	U	0.2	U	0.2	U	0.20	U	NA		0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.81	J	0.31	U	NA		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	NA		0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		0.012	U	NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	NA		0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	NA		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.3	U	0.3	U	0.3	U	0.30	U	NA		0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	NA		0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.30	U	NA		0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	NA		ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-170AR_DMPDB 15.25			MW-170AR_DMPDB 15.25T			MW-170BR_DMPDB171A_DMPDB26 35.0			MW-171B_DMPDB46 .75			MW-171C_DMPDB6 6.75									
Date Sampled:			5/31/2022			5/31/2022			6/2/2022			6/3/2022			6/3/2022			6/3/2022						
LAB Sample ID:			460259173-1-33			460259172-1-17			460259452-1-36			460259454-1-24			460259454-1-23			460259454-1-25						
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison						
Parameter (ug/l)	***CAS No.***	***GWQS***																						
Acetone	*67-64-1*	*6000*	4.4	U		NA			4.4	U		4.4	U		4.4	U		4.4	U					
Benzene	*71-43-2*	*1*	0.20	U		NA			0.20	U		0.20	U		0.20	U		0.20	U					
Bromochloromethane	*74-97-5*	*100*	0.41	U		NA			0.41	U		0.41	U		0.41	U		0.41	U					
Bromodichloromethane	*75-27-4*	*1*	0.34	U		NA			0.34	U		0.34	U		0.34	U		0.34	U					
Bromoform	*75-25-2*	*4*	0.54	U		NA			0.54	U		0.54	U		0.54	U		0.54	U					
Bromomethane	*74-83-9*	*10*	0.55	U		NA			0.55	U		0.55	U		0.55	U		0.55	U					
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		NA			1.9	U		1.9	U		1.9	U		1.9	U					
Carbon Disulfide	*75-15-0*	*700*	0.82	U		NA			0.82	U		0.82	U		0.82	U		0.82	U					
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		NA			0.21	U		0.21	U		0.21	U		0.21	U					
Chlorobenzene	*108-90-7*	*50*	0.38	U		NA			0.38	U		0.38	U		0.38	U		0.38	U					
Chloroethane	*75-00-3*	*100*	0.32	U		NA			0.32	U		0.32	U		0.32	U		0.32	U					
Chloroform	*67-66-3*	*70*	0.33	U		NA			0.33	U		0.33	U		0.39	J		0.66	J					
Chloromethane	*74-87-3*	*100*	0.40	U		NA			0.40	U		0.40	U		0.40	U		0.40	U					
cis-1,2-Dichloroethene	*156-59-2*	*70*	5			NA			14			11			8.3			7.8						
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		NA			0.22	U		0.22	U		0.22	U		0.22	U					
Cyclohexane	*110-82-7*	*100*	0.32	U		NA			0.32	U		0.32	U		0.32	U		0.32	U					
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		NA			*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U					
Dibromochloromethane	*124-48-1*	*1*	0.28	U		NA			0.28	U		0.28	U		0.28	U		0.28	U					
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		NA			*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U					
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		NA			0.21	U		0.21	U		0.21	U		0.21	U					
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		NA			0.34	U		0.34	U		0.34	U		0.34	U					
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		NA			0.33	U		0.33	U		0.33	U		0.33	U					
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		NA			0.31	U		0.31	U		0.31	U		0.31	U					
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		NA			0.26	U		0.26	U		0.26	U		0.26	U					
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		NA			0.43	U		0.43	U		0.43	U		0.43	U					
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		NA			0.26	U		0.26	U		0.26	U		0.66	J					
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		NA			0.35	U		0.35	U		0.35	U		0.35	U					
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			NA			ND			ND			ND			ND						
Ethylbenzene	*100-41-4*	*700*	0.30	U		NA			0.30	U		0.30	U		0.30	U		0.30	U					
2-Hexanone	*591-78-6*	*40*	1.1	U		NA			1.1	U		1.1	U		1.1	U		1.1	U					
Isopropylbenzene	*98-82-8*	*700*	0.34	U		NA			0.34	U		0.34	U		0.34	U		0.34	U					
Methyl Acetate	*79-20-9*	*7000*	0.79	U		NA			0.79	U		0.79	U		0.79	U		0.79	U					
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		NA			0.22	U		0.22	U		0.22	U		0.22	U					
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		NA			1.3	U		1.3	U		1.3	U		1.3	U					
Methylcyclohexane	*108-87-2*	*100*	0.71	U		NA			0.71	U -		0.71	U		0.71	U		0.71	U					
Methylene chloride	*75-09-2*	*3*	0.32	U		NA			0.32	U		0.32	U		0.32	U		0.32	U					
Styrene	*100-42-5*	*100*	0.42	U		NA			0.42	U		0.42	U		0.42	U		0.42	U					
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		NA			0.37	U		0.37	U		0.37	U		0.37	U					
Tetrachloroethene	*127-18-4*	*1*	0.25	U		NA			**100**			**360**			**240**			**400**						
Toluene	*108-88-3*	*600*	0.38	U		NA			0.38	U		0.38	U		0.38	U		0.38	U					
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.26	J		NA			0.24	U		0.24	U		0.24	U		0.24	U					
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		NA			0.22	U		0.22	U		0.22	U		0.22	U					
Freon 113	*76-13-1*	*20000*	0.31	U		NA			0.31	U		0.31	U		0.31	U		0.31	U					
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U +		NA			0.36	U		0.36	U		0.36	U		0.36	U					
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		NA			0.24	U		0.24	U		0.24	U		0.24	U					
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		NA			0.20	U		0.20	U		0.20	U		0.20	U					
Trichloroethene	*79-01-6*	*1*	0.31	U		NA			**4**			**5.9**			**3.9**			**6.3**						
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		NA			0.32	U		0.32	U		0.32	U		0.32	U					
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA			0.012	U		NA			NA			NA			NA						
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		NA			0.37	U		0.37	U		0.37	U		0.37	U					
Vinyl Chloride	*75-01-4*	*1*	**2.9**			NA			0.21	J		0.17	U		0.17	U		0.17	U					
m,p-Xylene	*179601-23-1*	*--*	0.30	U		NA			0.30	U		0.30	U		0.30	U		0.30	U					
o-Xylene	*95-47-6*	*--*	0.36	U		NA			0.36	U		0.36	U		0.36	U		0.36	U					
Xylenes (total)	*1330-20-7*	*1000*	0.30	U		NA			0.65	U		0.65	U		0.65	U		0.65	U					
Total VOC TIC	*SRP170*	*500*	ND	U		NA			ND	U		ND	U		ND	U		ND	U					

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-172_DMPDB37.0			MW-172_DMPDB37.0T			MW-174_DMPDB34.75			MW-201_DMPDB28.75			MW-201A_DMPDB21.75			MW-201B_DMPDB41.8	
Date Sampled:			5/31/2022			5/31/2022			6/6/2022			6/2/2022			6/2/2022			6/2/2022	
LAB Sample ID:			460259173-1-16			460259172-1-9			460259679-1-48			460259452-1-10			460259452-1-9			460259452-1-7	
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***																
Acetone	*67-64-1*	*6000*	4.4	U		NA			4.4	U		4.4	U		8.8	U		8.8	U
Benzene	*71-43-2*	*1*	0.20	U		NA			0.2	U		0.20	U		0.41	U		0.41	U
Bromochloromethane	*74-97-5*	*100*	0.41	U		NA			0.41	U		0.41	U		0.82	U		0.82	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U		NA			0.34	U		0.34	U		0.69	U		0.69	U
Bromoform	*75-25-2*	*4*	0.54	U		NA			0.54	U		0.54	U		1.1	U		1.1	U
Bromomethane	*74-83-9*	*10*	0.55	U		NA			0.55	U		0.55	U		1.1	U		1.1	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		NA			1.9	U		1.9	U		3.7	U		3.7	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U		NA			8.3			0.82	U		1.6	U		1.6	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		NA			0.21	U		0.21	U		0.42	U		0.42	U
Chlorobenzene	*108-90-7*	*50*	0.38	U		NA			0.38	U		3.5			11			4.1	
Chloroethane	*75-00-3*	*100*	0.32	U		NA			0.32	U		0.32	U		0.64	U		0.64	U
Chloroform	*67-66-3*	*70*	0.41	J		NA			0.33	U		0.33	U		0.65	U		0.65	U
Chloromethane	*74-87-3*	*100*	0.40	U		NA			0.4	U		0.40	U		0.80	U		0.80	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		NA			0.22	U		**140**			**470**			**110**	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		NA			0.22	U		0.22	U		0.44	U		0.44	U
Cyclohexane	*110-82-7*	*100*	0.32	U		NA			0.32	U		0.32	U		0.64	U		0.64	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		NA			*0.38*	U		*0.38*	U		*0.75*	U		*0.75*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U		NA			0.28	U		0.28	U		0.56	U		0.56	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		NA			*0.5*	U		*0.50*	U		*1.0*	U		*1.0*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		NA			0.21	U		4.2			14			4.2	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		NA			0.34	U		0.34	U		0.68	U		0.68	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		NA			0.33	U		0.98	J		3			1	J
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		NA			0.31	U		0.31	U		0.62	U		0.62	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		NA			0.26	U		0.26	U		0.53	U		0.53	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		NA			0.43	U		0.99	J		**2.3**			1.7	J
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		NA			0.26	U		**1.7**			**7.5**			**1.2**	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		NA			0.35	U		0.35	U		0.71	U		0.71	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			NA			ND			ND			ND			ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U		NA			0.3	U		0.30	U		0.60	U		0.60	U
2-Hexanone	*591-78-6*	*40*	1.1	U		NA			1.1	U		1.1	U		2.3	U		2.3	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U		NA			0.34	U		0.34	U		0.67	U		0.67	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U		NA			0.79	U		0.79	U		1.6	U		1.6	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		NA			0.22	U		0.22	U		0.43	U		0.43	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		NA			1.3	U		1.3	U		2.6	U		2.6	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U		NA			0.71	U		0.71	U		1.4	U		1.4	U
Methylene chloride	*75-09-2*	*3*	0.32	U		NA			0.32	U		0.32	U		0.63	U		0.63	U
Styrene	*100-42-5*	*100*	0.42	U		NA			0.42	U		0.42	U		0.83	U		0.83	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		NA			0.37	U		0.37	U		0.73	U		0.73	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U		NA			0.25	U		**390**			**310**			**670**	
Toluene	*108-88-3*	*600*	0.38	U		NA			0.38	U		0.38	U		0.76	U		0.76	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		NA			0.24	U		0.55	J		2.3			0.57	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		NA			0.22	U		0.22	U		0.45	U		0.45	U
Freon 113	*76-13-1*	*20000*	0.31	U		NA			0.31	U		0.31	U		0.62	U		0.62	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U +		NA			0.36	U		0.36	U		0.71	U		0.71	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		NA			0.24	U		0.24	U		0.48	U		0.48	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		NA			0.2	U		0.20	U		0.41	U		0.41	U
Trichloroethene	*79-01-6*	*1*	0.31	U		NA			0.31	U		**93**			**320**			**70**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		NA			0.32	U		0.32	U		0.64	U		0.64	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA			0.012	U		NA			NA			NA			NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		NA			0.37	U		0.37	U		0.73	U		0.73	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U		NA			0.17	U		**3**			**12**			0.49	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U		NA			0.3	U		0.30	U		0.59	U		0.59	U
o-Xylene	*95-47-6*	*--*	0.36	U		NA			0.36	U		0.36	U		0.72	U		0.72	U
Xylenes (total)	*1330-20-7*	*1000*	0.30	U		NA			0.65	U		0.65	U		1.3	U		1.3	U
Total VOC TIC	*SRP170*	*500*	ND	U		NA			ND	U		ND	U		ND	U		ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-207B_DMPDB44.75		MW-207C_DMPDB6209A_DMPDB14209B_DMPDB36213B_DMPDB46.75						MW-213C_DMPDB76.75	
Date Sampled:	6/1/2022		6/1/2022		6/1/2022		6/1/2022		6/2/2022		6/2/2022	
LAB Sample ID:	460259453-1-22		460259453-1-21		460259453-1-5		460259453-1-4		460259452-1-30		460259452-1-31	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.9	J	0.33	U	0.33	U	1.1		0.52	J	0.38	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U -	0.32	U -	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U 1	0.31	U 1	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.42	J	0.26	U	0.8	J	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.66	J	0.26	U	**1.2**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U -	0.71	U -	0.71	U	0.71	U	0.71	U -	0.71	U -
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.55	J	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U -	0.31	U -	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**1.2**		0.31	U	0.41	J	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-214A_DMPDB23.25		MW-214B_DMPDB41.75		MW-214C_DMPDB6.75		MW-215C_DMPDB7.75		MW-216C_DMPDB7.1.75		MW-222_DMPDB71.75	
Date Sampled:	6/3/2022		6/3/2022		6/3/2022		6/6/2022		6/6/2022		6/3/2022	
LAB Sample ID:	460259454-1-40		460259454-1-39		460259454-1-41		460259679-1-19		460259679-1-20		460259454-1-43	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	30		4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.2	U	0.2	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.82	J	0.61	J	0.84	J	0.92	J	0.59	J	4.1	
Chloromethane	*74-87-3*	*100*	0.40	U	0.79	J	0.40	U	0.4	U	0.4	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	3.4		2.6		0.22	U	3.5		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.5*	U	*0.5*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.8	J	15		12		0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	1		**21**		**19**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.3	U	0.3	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.31	J	**1.6**		**2.5**		0.25	U	**45**		**1.9**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	2		1.8		0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.2	U	0.2	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**2.3**		**2.4**		0.31	U	**1.7**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.3	U	0.3	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-222C_DMPDB2 53.75		MW-230C_DMPDB6236B_DMPDB34 6.75		MW-.75		MW-236C_DMPDB5237A_DMPDB27237A_DMPDB27 4.75		MW-.5		MW-.5T(A)	
Date Sampled:	6/3/2022		6/1/2022		6/3/2022		6/3/2022		5/31/2022		5/31/2022	
LAB Sample ID:	460259454-1-42		460259453-1-42		460259454-1-38		460259454-1-37		460259173-1-5		460259172-1-3	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	NA	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	**26**		NA	
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	NA	
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	NA	
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	NA	
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	NA	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	NA	
Carbon Disulfide	*75-15-0*	*700*	0.89	J	0.82	U	0.82	U	0.82	U	0.82	U	NA	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	NA	
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	NA	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	NA	
Chloroform	*67-66-3*	*70*	0.33	U	0.59	J	0.77	J	1		0.33	U	NA	
Chloromethane	*74-87-3*	*100*	1.1		0.40	U	0.40	U	0.40	U	0.40	U	NA	
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	4.5		0.22	U	0.22	U	0.22	U	NA	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	NA	
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	94		NA	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	NA	
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	NA	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	NA	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	NA	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	NA	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	NA	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	NA	
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	27		0.26	U	0.54	J	0.26	U	NA	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	NA	
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**27**		0.26	U	**1.3**		0.26	U	NA	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	NA	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		NA	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	350		NA	
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	6.3		NA	
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	110		NA	
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	NA	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	2.3		0.22	U	0.22	U	0.22	U	NA	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	NA	
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	**110**		NA	
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	NA	
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.52	J	NA	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	NA	
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**2**		0.25	U	0.28	J	0.25	U	NA	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	15		NA	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	NA	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	NA	
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	NA	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	NA	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	5.6		0.24	U	0.24	U	0.24	U	NA	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	NA	
Trichloroethene	*79-01-6*	*1*	0.31	U	**2.2**		0.31	U	0.62	J	0.31	U	NA	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	NA	
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		0.012	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	NA	
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.19	J	0.17	U	0.17	U	0.17	U	NA	
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	150		NA	
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	9.7		NA	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	159.7		NA	
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	**4960**	JN	NA	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-258B_DMPDB80.75		MW-258C_DMPDB106.75		MW-259BR_DMPDB42.5		MW-260C_DMPDB62.0		MW-260-S3_DMPDB1218		MW-265B_DMPDB41.75	
Date Sampled:	6/3/2022		6/3/2022		6/3/2022		6/6/2022		6/6/2022		5/31/2022	
LAB Sample ID:	460259454-1-46		460259454-1-45		460259454-1-12		460259679-1-11		460259679-1-12		460259173-1-18	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.2	U	0.2	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.27	J	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.37	J	0.62	J	1.7		2.5		0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.4	U	0.4	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.48	J	0.22	U	0.22	U	0.22	U	0.47	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.5*	U	*0.5*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.3	U	0.3	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**5.3**		**1.1**		0.25	U	**20**		**30**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U +
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.2	U	0.2	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.42	J	0.31	U	0.31	U	0.31	U	0.38	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.3	U	0.3	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.30	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-265C_1.8			MW-DMPDB9266A_.75			MW-DMPDB34266B_.95			MW-DMPDB61			MW-266C_6.85			MW-DMPDB8267A_.75			MW-DMPDB47267B_.75			MW-DMPDB96		
Date Sampled:			5/31/2022			5/31/2022			5/31/2022			5/31/2022			6/3/2022			6/3/2022								
LAB Sample ID:			460259173-1-17			460259173-1-9			460259173-1-7			460259173-1-10			460259454-1-2			460259454-1-4								
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison								
Parameter (ug/l)	***CAS No.***	***GWQS***																								
Acetone	*67-64-1*	*6000*	4.4	U		4.4	U		4.4	U		6.7			4.4	U										
Benzene	*71-43-2*	*1*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U										
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U										
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U										
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U										
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U										
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U										
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U										
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U										
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U										
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		1.7			0.32	U										
Chloroform	*67-66-3*	*70*	0.53	J		0.33	U		0.33	U		0.65	J		0.34	J										
Chloromethane	*74-87-3*	*100*	0.40	U		0.40	U		0.40	U		0.40	U		0.40	U										
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.3	J		0.22	U		0.83	J		3.1			0.22	U										
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U										
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U										
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U										
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U										
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U										
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U										
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U										
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U										
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U										
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		12			**61**			0.26	U										
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.63	J		0.43	U										
1,1-Dichloroethene	*75-35-4*	*1*	0.83	J		0.26	U		**1.2**			**10**			0.26	U										
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U										
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND										
Ethylbenzene	*100-41-4*	*700*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U										
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U										
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U										
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U										
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.46	J		22			14			0.22	U										
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U										
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U										
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U										
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U										
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U										
Tetrachloroethene	*127-18-4*	*1*	**20**			0.25	U		0.25	U		0.58	J		0.41	J										
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U										
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U										
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U										
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U										
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U +		0.36	U		0.36	U		0.36	U		0.36	U										
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		2.6			0.24	U										
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		0.20	U		0.20	U		0.2	J		0.20	U										
Trichloroethene	*79-01-6*	*1*	0.43	J		0.31	U		0.31	U		0.79	J		**1.3**											
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U										
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA			NA			NA			NA			NA										
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U										
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		**2.3**			**2.2**			0.17	U										
m,p-Xylene	*179601-23-1*	*--*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U										
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U										
Xylenes (total)	*1330-20-7*	*1000*	0.30	U		0.30	U		0.30	U		0.30	U		0.65	U										
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U										

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-269A_DMPDB55.0			MW-269A_DMPDB55.0T			MW-269C_DMPDB1221.8			MW-270A_DMPDB59.5			MW-270A_DMPDB59.5T			MW-271A_DMPDB56.8		
Date Sampled:			5/31/2022			5/31/2022			6/6/2022			5/31/2022			5/31/2022			5/31/2022		
LAB Sample ID:			460259173-1-15			460259172-1-8			460259679-1-9			460259173-1-12			460259172-1-7			460259173-1-36		
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison		
Parameter (ug/l)	***CAS No.***	***GWQS***																			
Acetone	*67-64-1*	*6000*	4.4	U		NA			4.4	U		4.4	U		NA			4.4	U	
Benzene	*71-43-2*	*1*	0.20	U		NA			0.2	U		0.20	U		NA			0.20	U	
Bromochloromethane	*74-97-5*	*100*	0.41	U		NA			0.41	U		0.41	U		NA			0.41	U	
Bromodichloromethane	*75-27-4*	*1*	0.34	U		NA			0.34	U		0.34	U		NA			0.34	U	
Bromoform	*75-25-2*	*4*	0.54	U		NA			0.54	U		0.54	U		NA			0.54	U	
Bromomethane	*74-83-9*	*10*	0.55	U		NA			0.55	U		0.55	U		NA			0.55	U	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		NA			1.9	U		1.9	U		NA			1.9	U	
Carbon Disulfide	*75-15-0*	*700*	0.82	U		NA			0.82	U		0.82	U		NA			0.82	U	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		NA			0.21	U		0.21	U		NA			0.21	U	
Chlorobenzene	*108-90-7*	*50*	0.38	U		NA			0.38	U		0.38	U		NA			0.38	U	
Chloroethane	*75-00-3*	*100*	0.32	U		NA			0.32	U		0.32	U		NA			0.32	U	
Chloroform	*67-66-3*	*70*	1.6			NA			0.39	J		0.33	U		NA			1		
Chloromethane	*74-87-3*	*100*	0.40	U		NA			0.4	U		0.40	U		NA			0.40	U	
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		NA			0.22	U		0.22	U		NA			0.22	U	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		NA			0.22	U		0.22	U		NA			0.22	U	
Cyclohexane	*110-82-7*	*100*	0.32	U		NA			0.32	U		0.32	U		NA			0.32	U	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		NA			*0.38*	U		*0.38*	U		NA			*0.38*	U	
Dibromochloromethane	*124-48-1*	*1*	0.28	U		NA			0.28	U		0.28	U		NA			0.28	U	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		NA			*0.5*	U		*0.50*	U		NA			*0.50*	U	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		NA			0.21	U		0.21	U		NA			0.21	U	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		NA			0.34	U		0.34	U		NA			0.34	U	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		NA			0.33	U		0.33	U		NA			0.33	U	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		NA			0.31	U		0.31	U		NA			0.31	U	
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		NA			0.26	U		0.26	U		NA			0.26	U	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		NA			0.43	U		0.43	U		NA			0.43	U	
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		NA			0.26	U		0.26	U		NA			0.26	U	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		NA			0.35	U		0.35	U		NA			0.35	U	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			NA			ND			ND			NA			ND		
Ethylbenzene	*100-41-4*	*700*	0.30	U		NA			0.3	U		0.30	U		NA			0.30	U	
2-Hexanone	*591-78-6*	*40*	1.1	U		NA			1.1	U		1.1	U		NA			1.1	U	
Isopropylbenzene	*98-82-8*	*700*	0.34	U		NA			0.34	U		0.34	U		NA			0.34	U	
Methyl Acetate	*79-20-9*	*7000*	0.79	U		NA			0.79	U		0.79	U		NA			0.79	U	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		NA			0.22	U		0.22	U		NA			0.22	U	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		NA			1.3	U		1.3	U		NA			1.3	U	
Methylcyclohexane	*108-87-2*	*100*	0.71	U		NA			0.71	U		0.71	U		NA			0.71	U	
Methylene chloride	*75-09-2*	*3*	0.32	U		NA			0.32	U		0.32	U		NA			0.32	U	
Styrene	*100-42-5*	*100*	0.42	U		NA			0.42	U		0.42	U		NA			0.42	U	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		NA			0.37	U		0.37	U		NA			0.37	U	
Tetrachloroethene	*127-18-4*	*1*	0.25	U		NA			0.26	J		0.25	U		NA			**1.6**		
Toluene	*108-88-3*	*600*	0.38	U		NA			0.38	U		0.38	U		NA			0.38	U	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		NA			0.24	U		0.24	U		NA			0.24	U	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		NA			0.22	U		0.22	U		NA			0.22	U	
Freon 113	*76-13-1*	*20000*	0.31	U		NA			0.31	U		0.31	U		NA			0.31	U	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		NA			0.36	U		0.36	U		NA			0.36	U	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		NA			0.24	U		0.24	U		NA			0.24	U	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		NA			0.2	U		0.20	U		NA			0.20	U	
Trichloroethene	*79-01-6*	*1*	0.31	U		NA			0.31	U		0.31	U		NA			0.31	U	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		NA			0.32	U		0.32	U		NA			0.32	U	
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA			0.012	U		NA			NA			0.012	U		NA		
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		NA			0.37	U		0.37	U		NA			0.37	U	
Vinyl Chloride	*75-01-4*	*1*	0.17	U		NA			0.17	U		0.17	U		NA			0.17	U	
m,p-Xylene	*179601-23-1*	*--*	0.30	U		NA			0.3	U		0.30	U		NA			0.30	U	
o-Xylene	*95-47-6*	*--*	0.36	U		NA			0.36	U		0.36	U		NA			0.36	U	
Xylenes (total)	*1330-20-7*	*1000*	0.30	U		NA			0.65	U		0.30	U		NA			0.30	U	
Total VOC TIC	*SRP170*	*500*	ND	U		NA			ND	U		ND	U		NA			ND	U	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-271B_DMPDB91.8		MW-271C_DMPDB1273B_DMPDB41.8		273B_DMPDB41.8T		MW-273C_DMPDB9274A_DMPDB11.8			
Date Sampled:	5/31/2022		5/31/2022		5/31/2022		5/31/2022		6/1/2022	
LAB Sample ID:	460259173-1-38		460259173-1-34		460259173-1-41		460259172-1-21		460259453-1-41	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	

Parameter (ug/l)	CAS No.	GWQS											
Acetone	67-64-1	6000	4.4	U	38		4.4	U	NA		4.4	U	200	
Benzene	71-43-2	1	0.20	U	1.0	U	0.20	U	NA		0.20	U	0.20	U
Bromochloromethane	74-97-5	100	0.41	U	2.1	U	0.41	U	NA		0.41	U	0.41	U
Bromodichloromethane	75-27-4	1	0.34	U	1.7	U	0.34	U	NA		0.34	U	0.49	J
Bromoform	75-25-2	4	0.54	U	2.7	U	0.54	U	NA		0.54	U	0.54	U
Bromomethane	74-83-9	10	0.55	U	2.8	U	0.55	U	NA		0.55	U	0.55	U
2-Butanone (MEK)	78-93-3	300	1.9	U	9.3	U	1.9	U	NA		1.9	U	15	
Carbon Disulfide	75-15-0	700	0.82	U	4.1	U	0.82	U	NA		0.82	U	0.82	U
Carbon tetrachloride	56-23-5	1	0.21	U	1.0	U	0.21	U	NA		0.21	U	0.21	U
Chlorobenzene	108-90-7	50	0.38	U	1.9	U	0.38	U	NA		0.38	U	0.38	U
Chloroethane	75-00-3	100	0.32	U	1.6	U	0.32	U	NA		0.32	U	0.32	U
Chloroform	67-66-3	70	0.33	U	1.8	J	0.37	J	NA		0.46	J	1	
Chloromethane	74-87-3	100	0.40	U	2.0	U	0.40	U	NA		0.40	U	0.40	U
cis-1,2-Dichloroethene	156-59-2	70	0.22	U	1.1	U	0.45	J	NA		0.22	U	0.22	U
cis-1,3-Dichloropropene	10061-01-5	--	0.22	U	1.1	U	0.22	U	NA		0.22	U	0.22	U
Cyclohexane	110-82-7	100	0.32	U	1.6	U	0.32	U	NA		0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	96-12-8	0.02	0.38	U	1.9	U	0.38	U	NA		0.38	U	0.38	U
Dibromochloromethane	124-48-1	1	0.28	U	1.4	U	0.28	U	NA		0.28	U	0.46	J
1,2-Dibromoethane	106-93-4	0.03	0.50	U	2.5	U	0.50	U	NA		0.50	U	0.50	U
1,2-Dichlorobenzene	95-50-1	600	0.21	U	1.1	U	0.21	U	NA		0.21	U	0.21	U
1,3-Dichlorobenzene	541-73-1	600	0.34	U	1.7	U	0.34	U	NA		0.34	U	0.34	U
1,4-Dichlorobenzene	106-46-7	75	0.33	U	1.7	U	0.33	U	NA		0.33	U	0.33	U
Dichlorodifluoromethane	75-71-8	1000	0.31	U	1.6	U	0.31	U	NA		0.31	U	0.31	U
1,1-Dichloroethane	75-34-3	50	0.26	U	1.3	U	0.26	U	NA		0.26	U	0.26	U
1,2-Dichloroethane	107-06-2	2	0.43	U	2.2	U	0.43	U	NA		0.43	U	0.43	U
1,1-Dichloroethene	75-35-4	1	0.26	U	1.3	U	0.26	U	NA		0.36	J	0.26	U
1,2-Dichloropropane	78-87-5	1	0.35	U	1.8	U	0.35	U	NA		0.35	U	0.35	U
1,3-Dichloropropene (total)	542-75-6	1	ND		ND		ND		NA		ND		ND	
Ethylbenzene	100-41-4	700	0.30	U	1.5	U	0.30	U	NA		0.30	U	0.30	U
2-Hexanone	591-78-6	40	1.1	U	5.7	U	1.1	U	NA		1.1	U	1.1	U
Isopropylbenzene	98-82-8	700	0.34	U	1.7	U	0.34	U	NA		0.34	U	0.34	U
Methyl Acetate	79-20-9	7000	0.79	U	3.9	U	0.79	U	NA		0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	1634-04-4	70	0.22	U	1.1	U	0.22	U	NA		0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	108-10-1	100	1.3	U	6.5	U	1.3	U	NA		1.3	U	1.3	U
Methylcyclohexane	108-87-2	100	0.71	U	3.5	U	0.71	U	NA		0.71	U	0.71	U
Methylene chloride	75-09-2	3	0.32	U	1.6	U	0.32	U	NA		0.32	U	0.32	U
Styrene	100-42-5	100	0.42	U	2.1	U	0.42	U	NA		0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.37	U	1.8	U	0.37	U	NA		0.37	U	0.37	U
Tetrachloroethene	127-18-4	1	0.25	U	**1500**		**1.6**		NA		**5.3**		0.25	U
Toluene	108-88-3	600	0.38	U	1.9	U	0.38	U	NA		0.38	U	0.38	U
trans-1,2-Dichloroethene	156-60-5	100	0.24	U	1.2	U	0.24	U	NA		0.24	U	0.24	U
trans-1,3-Dichloropropene	10061-02-6	--	0.22	U	1.1	U	0.22	U	NA		0.22	U	0.22	U
Freon 113	76-13-1	20000	0.31	U	1.6	U	0.31	U	NA		0.31	U	0.31	U
1,2,3-Trichlorobenzene	87-61-6	100	0.36	U	1.8	U +	0.36	U	NA		0.36	U	0.36	U +
1,1,1-Trichloroethane	71-55-6	30	0.24	U	1.2	U	0.24	U	NA		0.24	U	0.31	J
1,1,2-Trichloroethane	79-00-5	3	0.20	U	1.0	U	0.20	U	NA		0.20	U	0.20	U
Trichloroethene	79-01-6	1	0.31	U	**1.9**	J	0.44	J	NA		**1.2**		0.31	U
Trichlorofluoromethane	75-69-4	2000	0.32	U	1.6	U	0.32	U	NA		0.32	U	0.32	U
1,2,3-Trichloropropane	96-18-4	0.03	NA		NA		NA		0.012	U	NA		NA	
1,2,4-Trichlorobenzene	120-82-1	9	0.37	U	1.8	U	0.37	U	NA		0.37	U	0.37	U
Vinyl Chloride	75-01-4	1	0.17	U	0.86	U	0.17	U	NA		0.17	U	0.17	U
m,p-Xylene	179601-23-1	--	0.30	U	1.5	U	0.30	U	NA		0.30	U	0.30	U
o-Xylene	95-47-6	--	0.36	U	1.8	U	0.36	U	NA		0.36	U	0.36	U
Xylenes (total)	1330-20-7	1000	0.30	U	1.5	U	0.30	U	NA		0.65	U	0.30	U
Total VOC TIC	SRP170	500	ND	U	ND	U	ND	U	NA		ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
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ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-274A_DMPDB11.8T		MW-274B_DMPDB56.80		MW-274C_DMPDB9.1.8		MW-275B_DMPDB36.8		MW-276A_DMPDB26.8		MW-276B_DMPDB51.8	
Date Sampled:			5/31/2022		6/3/2022		6/3/2022		6/1/2022		6/2/2022		6/2/2022	
LAB Sample ID:			460259172-1-20		460259454-1-5		460259454-1-6		460259453-1-28		460259452-1-17		460259452-1-18	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	NA		4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	NA		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	NA		0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	NA		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	NA		0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	NA		0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	NA		1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	NA		0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	NA		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	NA		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	NA		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	NA		0.44	J	0.33	U	1.2		0.33	U	0.37	J
Chloromethane	*74-87-3*	*100*	NA		0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	NA		0.22	U	0.22	U	5.1		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	NA		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	NA		0.32	U	0.32	U	0.32	U -	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	NA		*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	NA		0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	NA		*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	NA		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	NA		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	NA		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	NA		0.31	U	0.31	U	0.31	U 1	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	NA		0.26	U	0.26	U	20		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	NA		0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	NA		0.26	U	0.26	U	**27**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	NA		0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	NA		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	NA		0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	NA		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	NA		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	NA		0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	NA		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	NA		1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	NA		0.71	U	0.71	U	0.71	U -	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	NA		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	NA		0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	NA		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	NA		**3**		**3.1**		**5**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	NA		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	NA		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	NA		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	NA		0.31	U	0.31	U	0.31	U -	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	NA		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	NA		0.24	U	0.24	U	2.7		0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	NA		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	NA		0.31	U	0.37	J	**14**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	NA		0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	0.012	U	NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	NA		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	NA		0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	NA		0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	NA		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	NA		0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	NA		ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-276C_DMPDB6.8		MW-8288B_DMPDB.8		MW-41288B_DMPDB.8T		MW-41295A_DMPDB.5		MW-17295A_DMPDB.5T		MW-17 295C_DMPDB0.0	
Date Sampled:			6/2/2022		5/31/2022		5/31/2022		5/31/2022		5/31/2022		6/1/2022	
LAB Sample ID:			460259452-1-19		460259173-1-43		460259172-1-22		460259173-1-6		460259172-1-5		460259453-1-11	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	NA		4.4	U	NA		34	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	NA		0.20	U	NA		0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	NA		0.41	U	NA		0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	NA		0.34	U	NA		0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	NA		0.54	U	NA		0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	NA		0.55	U	NA		0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	NA		1.9	U	NA		1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	NA		0.82	U	NA		0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	NA		0.21	U	NA		0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	NA		0.38	U	NA		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	NA		0.32	U	NA		0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	NA		0.33	U	NA		0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	NA		0.40	U	NA		0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	2.6		NA		1.7		NA		5.7	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	NA		0.22	U	NA		0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	NA		0.32	J	NA		0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	NA		*0.38*	U	NA		*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	NA		0.28	U	NA		0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	NA		*0.50*	U	NA		*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	NA		0.21	U	NA		0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	NA		0.34	U	NA		0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	NA		0.33	U	NA		0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	NA		0.31	U	NA		0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	NA		0.26	U	NA		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	NA		0.43	U	NA		0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.28	J	NA		0.26	U	NA		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	NA		0.35	U	NA		0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		NA		ND		NA		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	NA		0.30	U	NA		0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	NA		1.1	U	NA		1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	NA		0.34	U	NA		0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	NA		0.79	U	NA		0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	NA		0.22	U	NA		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	NA		1.3	U	NA		1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	NA		0.71	U	NA		0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	NA		0.32	U	NA		0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	NA		0.42	U	NA		0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	NA		0.37	U	NA		0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**100**		NA		0.93	J	NA		**25**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	NA		0.38	U	NA		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	NA		0.24	U	NA		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	NA		0.22	U	NA		0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	NA		0.31	U	NA		0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	NA		0.36	U	NA		0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	NA		0.24	U	NA		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	NA		0.20	U	NA		0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**1.4**		NA		**1.1**		NA		**1.7**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	NA		0.32	U	NA		0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		0.012	U	NA		0.012	U	NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	NA		0.37	U	NA		0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	NA		0.57	J	NA		**1.5**	
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	NA		0.30	U	NA		0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	NA		0.36	U	NA		0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.30	U	NA		0.30	U	NA		0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	NA		ND	U	NA		ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-304A_DMPDB17.5		MW-304B_DMPDB37.5(A)		MW-304B_DMPDB37.5(B)		MW-304C_DMPDB72.5(A)		MW-304C_DMPDB7347B_DMPDB72.5(B)		MW-DMPDB46.8	
Date Sampled:	6/3/2022		6/3/2022		6/3/2022		6/3/2022		6/3/2022		6/1/2022	
LAB Sample ID:	460259454-1-31		460259454-1-29		460259454-1-30		460259454-1-32		460259454-1-33		460259453-1-23	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.58	J	0.62	J	0.86	J
Chloromethane	*74-87-3*	*100*	0.41	J	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	2.1		21		20		8.3		7.5		1.3	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U -
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U 1
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	5.7	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.7	J	0.71	J	0.44	J	0.43	J	**6.5**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U -
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**9.1**		**390**	D	**490**		**440**		**380**		**1.4**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.26	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U -
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.88	J
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	1		**9.3**		**8.8**		**6.8**		**5.7**		**2.8**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-348B_DMPDB51.8		MW-349B_DMPDB41.8		MW-349C_DMPDB91.8		MW-351C_DMPDB61.8		MW-353A_DMPDB49.25		MW-353B_DMPDB76.3	
Date Sampled:	6/1/2022		6/1/2022		6/1/2022		6/2/2022		6/2/2022		6/2/2022	
LAB Sample ID:	460259453-1-24		460259453-1-26		460259453-1-27		460259452-1-37		460259452-1-14		460259452-1-13	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.86	J	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	1.5		0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.8	J	0.72	J	1.2		0.33	U	0.33	U	0.6	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.9		1.6		5.9		0.82	J	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U -	0.32	U -	0.32	U -	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U 1	0.31	U 1	0.31	U 1	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	10		7.5		24		0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**11**		**7.9**		**21**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	4.7		0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U -	0.71	U -	0.71	U -	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**1.1**		**1.7**		**2.5**		0.25	U	0.25	U	0.39	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U -	0.31	U -	0.31	U -	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.4		1		1.4		0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**3.1**		**3.5**		**7.9**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-353C_DMPDB1357A_24.25		MW-DMPDB20366B_.0		MW-DMPDB41373B_.80		MW-DMPDB73.75		MW-373C_DMPDB1375A_14.75		MW-DMPDB50.75	
Date Sampled:	6/2/2022		6/6/2022		6/6/2022		6/6/2022		6/6/2022		6/1/2022	
LAB Sample ID:	460259452-1-12		460259679-1-49		460259679-1-52		460259679-1-43		460259679-1-44		460259453-1-15	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.2	U	0.2	U	0.2	U	0.2	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1		0.33	U	1.2		0.99	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.4	U	0.4	U	0.43	J	0.4	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.68	J	0.22	U	0.32	J	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.3	U	0.3	U	0.3	U	0.3	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U -	0.71	U -	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**340**		0.25	U	**91**		**70**		**11**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.2	U	0.2	U	0.2	U	0.2	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**1.2**		0.31	U	0.68	J	0.31	U	0.38	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.3	U	0.3	U	0.3	U	0.3	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-375B_DMPDB69.8		MW-375C_DMPDB1376B_DMPDB81.0		MW-376C_DMPDB1377B_DMPDB86.8		MW-377C_DMPDB109.8		MW-378C_DMPDB1379B_DMPDB86.8		MW-379C_DMPDB1380B_DMPDB86.8	
Date Sampled:	6/1/2022		6/1/2022		5/31/2022		5/31/2022		6/6/2022		6/6/2022	
LAB Sample ID:	460259453-1-16		460259453-1-17		460259173-1-23		460259173-1-22		460259679-1-13		460259679-1-14	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	22	U	19		22	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	1.0	U	0.20	U	1.0	U	0.2	U	0.2	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	2.1	U	0.41	U	2.1	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	*1.7*	U	0.34	U	*1.7*	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	2.7	U	0.54	U	2.7	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	2.8	U	0.55	U	2.8	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	9.3	U	1.9	U	9.3	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	4.1	U	0.82	U	4.1	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	1.0	U	0.21	U	1.0	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	1.9	U	0.38	U	1.9	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	1.6	U	0.32	U	1.6	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	1.6	U	0.33	U	2.1	J	5.5		0.88	J
Chloromethane	*74-87-3*	*100*	0.40	U	2.0	U	0.40	U	2.0	U	0.4	U	0.48	J
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	1.1	U	0.22	U	1.1	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	1.1	U	0.22	U	1.1	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	1.6	U	0.32	U	1.6	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*1.9*	U	*0.38*	U	*1.9*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	*1.4*	U	0.28	U	*1.4*	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*2.5*	U	*0.50*	U	*2.5*	U	*0.5*	U	*0.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	1.1	U	0.21	U	1.1	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	1.7	U	0.34	U	1.7	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	1.7	U	0.33	U	1.7	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	1.6	U	0.31	U	1.6	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	1.3	U	0.26	U	1.3	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	*2.2*	U	0.43	U	*2.2*	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	*1.3*	U	0.26	U	*1.3*	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	*1.8*	U	0.35	U	*1.8*	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	1.5	U	0.30	U	1.5	U	0.3	U	0.3	U
2-Hexanone	*591-78-6*	*40*	1.1	U	5.7	U	1.1	U	5.7	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	1.7	U	0.34	U	1.7	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	3.9	U	0.79	U	3.9	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	1.1	U	0.22	U	1.1	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	6.5	U	1.3	U	6.5	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	3.5	U	0.71	U	3.5	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	1.6	U	0.32	U	1.6	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	2.1	U	0.42	U	2.1	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	*1.8*	U	0.37	U	*1.8*	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	***1300***		0.25	U	***1100***		**230**		**460**	
Toluene	*108-88-3*	*600*	0.38	U	1.9	U	0.38	U	1.9	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	1.2	U	0.24	U	1.2	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	1.1	U	0.22	U	1.1	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	1.6	U	0.31	U	1.6	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	1.8	U	0.36	U +	1.8	U +	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	1.2	U	0.24	U	1.2	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	1.0	U	0.20	U	1.0	U	0.2	U	0.2	U
Trichloroethene	*79-01-6*	*1*	0.31	U	*1.6*	U	0.31	U	*1.6*	U	0.38	J	0.72	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	1.6	U	0.32	U	1.6	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	1.8	U	0.37	U	1.8	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.86	U	0.17	U	0.86	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	1.5	U	0.30	U	1.5	U	0.3	U	0.3	U
o-Xylene	*95-47-6*	*--*	0.36	U	1.8	U	0.36	U	1.8	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	3.3	U	0.30	U	1.5	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-383A_DMPDB17.5		MW-391C_DMPDB115.0		MW-394C_DMPDB98.0		MW-DMPDB9416A.8(A)		MW-DMPDB34416A.8(B)		MW-DMPDB34416B_DMPDB49.25	
Date Sampled:	6/1/2022		6/3/2022		6/6/2022		6/3/2022		6/3/2022		6/3/2022	
LAB Sample ID:	460259453-1-12		460259454-1-14		460259679-1-50		460259454-1-21		460259454-1-22		460259454-1-19	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.7	J	7.5		4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.2	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.4	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.31	J	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.5*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	1.1		1.2		0.97	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.3	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	1.6		0.98	J	2		2.2		6.6	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U -	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.2	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.38	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.3	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	103	JN	19.4	JN	ND	U	ND	U	73	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-416C_DMPDB105.0		MW-453C2_DMPDB97.5		MW-457C1_DMPDB483B_DMPDB5775.0		MW-.5		MW-483C_DMPDB7487A_DMPDB172.5		MW-.5	
Date Sampled:	6/3/2022		6/6/2022		6/6/2022		6/1/2022		6/1/2022		6/1/2022	
LAB Sample ID:	460259454-1-20		460259679-1-40		460259679-1-39		460259453-1-19		460259453-1-20		460259453-1-34	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.2	U	0.2	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	**5.6**	
Chlorobenzene	*108-90-7*	*50*	26		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.42	J	0.74	J	0.57	J	1.4	
Chloromethane	*74-87-3*	*100*	0.40	U	0.4	U	0.4	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.6	J	4.6		0.22	U	0.63	J	0.28	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U -	0.32	U -	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.5*	U	*0.5*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U 1	0.31	U 1	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.36	J	0.26	U	0.26	U	0.26	U	2.9		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	**2.6**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.3	U	0.3	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	3.1		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U -	0.71	U -	0.71	U -	0.71	U -	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**110**		**190**		0.25	U	1		**1.8**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U -	0.31	U -	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.53	J	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.2	U	0.2	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.63	J	**2.8**		0.31	U	**2.2**		**220**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.3	U	0.3	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	46.4	JN	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-495B_DMPDB45.5		MW-503C_DMPDB70.0	
Date Sampled:			6/3/2022		6/3/2022	
LAB Sample ID:			460259454-1-51		460259454-1-50	
LAB:			Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***				
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U 1	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.33	J
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.5	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	5.7		6.3	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U 1	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**180**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.91	J	**2.5**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U
1,2,3-Trichloropropane	*96-18-4*	*0.03*	NA		NA	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	**3.1**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Attachment 1

1,4-Dioxane in Groundwater – 2Q 2022

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:		66RI-MW4_DMPDB16.5		131RI-MW1_DMPDB16.5		138RI-MW1R_DMPDB24.5		187RI-MW2_DMPDB8.67		ART-MW-BR_DMPDB40.0		DW-2B_DMPDB132.75
Date Sampled:		6/1/2022		5/31/2022		6/3/2022		5/31/2022		6/2/2022		5/31/2022
LAB Sample ID:		460259453-1-43		460259173-1-37		460259454-1-13		460259173-1-26		460259452-1-35		460259173-1-29
LAB:		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**1.3**		0.33	U	**0.55**		**2.7**		**0.73**		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-2-D2_DMPDB276.8	DW-3B_DMPDB113.75	DW-3-D2_DMPDB286.8	DW-4C_DMPDB138.75	DW-4D_DMPDB446.75(A)	DW-4D_DMPDB446.75(B)
	Date Sampled:	5/31/2022	6/6/2022	6/6/2022	6/6/2022	6/6/2022	6/6/2022
	LAB Sample ID:	460259173-1-27	460259679-1-3	460259679-1-4	460259679-1-23	460259679-1-21	460259679-1-22
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	**0.72**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-6B_DMPDB111.75	DW-6C_DMPDB287.75	DW-6D_DMPDB494.75	DW-7A_DMPDB123.8	DW-7B_DMPDB171.75	DW-7C_DMPDB341.75
	Date Sampled:	6/6/2022	6/6/2022	6/6/2022	6/2/2022	6/2/2022	6/2/2022
	LAB Sample ID:	460259679-1-30	460259679-1-31	460259679-1-32	460259452-1-6	460259452-1-3	460259452-1-2
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**1.2**	**0.98**	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			DW-7D_DMPDB426.75(A)		DW-7D_DMPDB426.75(B)		DW-8A_DMPDB117.75		DW-8B_DMPDB188.75		DW-8C_DMPDB303.75	DW-9A_DMPDB91.75
Date Sampled:			6/2/2022		6/2/2022		6/1/2022		6/1/2022		6/1/2022	6/6/2022
LAB Sample ID:			460259452-1-4		460259452-1-5		460259453-1-8		460259453-1-6		460259453-1-7	460259679-1-29
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-11B_DMPDB96.75	DW-11D_DMPDB4412A_DMPDB6.75	DW-13012B_DMPDB182.75	DW-12CR_DMPDB516.8	DW-13-D2_DMPDB241.8
	Date Sampled:	6/6/2022	6/6/2022	6/3/2022	6/3/2022	6/3/2022	6/1/2022
	LAB Sample ID:	460259679-1-17	460259679-1-18	460259454-1-16	460259454-1-17	460259454-1-18	460259453-1-25
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	**24**	**6.2**	**4.3**	**1.6**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-16A_DMPDB216.75	DW-16B_DMPDB293.75	DW-16C_DMPDB434.75	DW-17C_DMPDB116.75	DW-24_DMPDB17175	DW-27B_DMPDB291.75
	Date Sampled:	6/3/2022	6/3/2022	6/3/2022	6/2/2022	6/3/2022	6/1/2022
	LAB Sample ID:	460259454-1-9	460259454-1-8	460259454-1-7	460259452-1-23	460259454-1-44	460259453-1-44
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**37**	0.33 U	**0.9**	0.33 U	0.33 U	**2.5**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			DW-27C_DMPDB4228A_1.8		DW-DMPDB18028B_.8		DW-DMPDB30729B_.8		DW-DMPDB286_.75		DW-29C_DMPDB4330B_8.8	DW-DMPDB256_.75
Date Sampled:			6/1/2022		5/31/2022		5/31/2022		6/1/2022		6/1/2022	5/31/2022
LAB Sample ID:			460259453-1-35		460259173-1-40		460259173-1-42		460259453-1-13		460259453-1-14	460259173-1-20
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**2.4**		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-31C_DMPDB4332A_DMPDB15532B_DMPDB29733A_DMPDB15133B_DMPDB275					
		6.8	.75	.75	.80	.8	33C_DMPDB416.8
	Date Sampled:	5/31/2022	5/31/2022	5/31/2022	6/1/2022	6/1/2022	6/1/2022
	LAB Sample ID:	460259173-1-4	460259173-1-13	460259173-1-11	460259453-1-38	460259453-1-39	460259453-1-40
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**12**	**22**	**5.3**	**5.2**	**8.9**	**1.9**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-34B_DMPDB28637.75	DW-B_DMPDB29638.8	DW-A_DMPDB17738.8	DW-B_DMPDB24839.8	DW-B_DMPDB2928.8	DW-39C_DMPDB492.8
	Date Sampled:	6/3/2022	6/6/2022	6/6/2022	6/6/2022	6/2/2022	6/2/2022
	LAB Sample ID:	460259454-1-3	460259679-1-10	460259679-1-7	460259679-1-8	460259452-1-15	460259452-1-16
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**26**	0.33 U	0.33 U	**1.8**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-40A_DMPDB13840B_DMPDB246.8	DW-40C_DMPDB396.8	DW-41C_DMPDB4246.8	DW-45A_DMPDB121528.8	DW-52A_DMPDB1268.8
	Date Sampled:	6/1/2022	6/1/2022	6/1/2022	6/6/2022	6/6/2022	6/6/2022
	LAB Sample ID:	460259453-1-31	460259453-1-29	460259453-1-30	460259679-1-28	460259679-1-27	460259679-1-51
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.75**	0.33 U	**11**	**1.3**	**2**	**1**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	DW-58A_DMPDB21664A_DMPDB236.8	DW-65-73-S2	DW-65-91-S3	DW-65-119-S3	DW-65-145-D1
Date Sampled:	6/6/2022	6/2/2022	5/19/2022	5/19/2022	5/19/2022	5/19/2022
LAB Sample ID:	460259679-1-45	460259452-1-11	460258640-1-11	460258640-1-10	460258640-1-9	460258640-1-8
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**23**		**31**		***200***		***150***	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

		Sample No.:	DW-65-154-D1	DW-65-176-D1	DW-65-199-D1	DW-65-221-D1	DW-65-262-D2	DW-65-350-D2
		Date Sampled:	5/19/2022	5/19/2022	5/19/2022	5/19/2022	5/19/2022	5/19/2022
		LAB Sample ID:	460258640-1-7	460258640-1-6	460258640-1-5	460258640-1-4	460258640-1-3	460258640-1-2
		LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	***44***	**45**	***85***	***110***	**8.9**	**36**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-67B_DMPDB26968A_DMPDB202.5	DW-70-83-S3	DW-70-114-S3	DW-70-123-D1	DW-70-150-D1 (A)
	Date Sampled:	6/3/2022	6/2/2022	5/19/2022	5/19/2022	5/19/2022	5/19/2022
	LAB Sample ID:	460259454-1-15	460259452-1-40	460258640-1-19	460258640-1-18	460258640-1-17	460258640-1-15
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**4.2**	**14**	**8.1**	**21**	**38**	**8.7**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-70-150-D1 (B)	DW-70-174-D1	DW-70-205-D1	DW-70-261-D2	DW-72-120-S3	DW-72-146-S3
	Date Sampled:	5/19/2022	5/19/2022	5/19/2022	5/19/2022	5/20/2022	5/20/2022
	LAB Sample ID:	460258640-1-16	460258640-1-14	460258640-1-13	460258640-1-12	460258640-1-27	460258640-1-26
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**11**	**12**	**1.3**	**42**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	DW-72-167-D1 (A)	DW-72-167-D1 (B)	DW-72-176-D1	DW-72-217-D1	DW-72-237-D1	DW-72-316-D2
	Date Sampled:	5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022
	LAB Sample ID:	460258640-1-24	460258640-1-25	460258640-1-23	460258640-1-22	460258640-1-21	460258640-1-20
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	IW-157C2_DMPDB95.0	IW-168B_DMPDB43.5	IW-168C1_DMPDB68.5(A)	IW-168C1_DMPDB68.5(B)	IW-168C2_DMPDB93.5	IW-197A_DMPDB26.3
	Date Sampled:	6/6/2022	6/6/2022	6/6/2022	6/6/2022	6/6/2022	6/2/2022
	LAB Sample ID:	460259679-1-41	460259679-1-36	460259679-1-37	460259679-1-38	460259679-1-35	460259452-1-32
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.79**	**0.94**	**0.99**	**2.1**	**28**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	IW-199B_DMPDB40.6	MW-1G_DMPDB10.75	MW-2G_DMPDB10.75	MW-15A_DMPDB13.25	MW-16_DMPDB10.5	MW-22A_DMPDB40.75
	Date Sampled:	6/2/2022	6/1/2022	6/1/2022	6/3/2022	5/31/2022	6/6/2022
	LAB Sample ID:	460259452-1-33	460259453-1-3	460259453-1-2	460259454-1-49	460259173-1-14	460259679-1-46
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**22**	**23**	0.33 U	0.33 U	0.33 U	**44**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-24_DMPDB32.0		MW-24C_DMPDB40.0		MW-43_DMPDB21.85		MW-44_DMPDB16.0		MW-44B_DMPDB41.75		MW-44C_DMPDB76.75	
	Date Sampled:	6/1/2022		6/6/2022		6/1/2022		5/31/2022		6/1/2022		6/1/2022	
	LAB Sample ID:	460259453-1-10		460259679-1-47		460259453-1-18		460259173-1-32		460259453-1-36		460259453-1-37	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-46_DMPDB58.75	MW-58_DMPDB32.75	MW-80C_DMPDB15.5	MW-102_DMPDB11.10	MW-104B_DMPDB30.1	MW-105A_DMPDB7.9
	Date Sampled:	6/6/2022	5/31/2022	6/1/2022	6/6/2022	6/3/2022	6/6/2022
	LAB Sample ID:	460259679-1-2	460259173-1-2	460259453-1-9	460259679-1-42	460259454-1-36	460259679-1-15
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.39 J	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-105B_DMPDB36.0		MW-106A_DMPDB9.4		MW-106B_DMPDB31.2		MW-112A_DMPDB7.25		MW-114_DMPDB75.4(A)	MW-114_DMPDB75.4(B)
Date Sampled:			6/6/2022		6/3/2022		6/3/2022		5/31/2022		5/31/2022	5/31/2022
LAB Sample ID:			460259679-1-16		460259454-1-35		460259454-1-34		460259173-1-24		460259173-1-30	460259173-1-31
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	***45***		0.33	U	0.33	U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-114A_DMPDB71.8		MW-117_DMPDB71.25(A)		MW-117_DMPDB71.25(B)		MW-120_DMPDB76.75(A)		MW-120_DMPDB76.75(B)		MW-124A_DMPDB23.0	
	Date Sampled:	5/31/2022		6/3/2022		6/3/2022		6/6/2022		6/6/2022		6/2/2022	
	LAB Sample ID:	460259173-1-8		460259454-1-47		460259454-1-48		460259679-1-5		460259679-1-6		460259452-1-27	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-124B_DMPDB25.75(A)		MW-124B_DMPDB25.75(B)		MW-126_DMPDB8.5		MW-126B_DMPDB41.8		MW-126C_DMPDB76.8	MW-131_DMPDB14.45
Date Sampled:			6/2/2022		6/2/2022		5/31/2022		6/1/2022		6/1/2022	5/31/2022
LAB Sample ID:			460259452-1-28		460259452-1-29		460259173-1-28		460259453-1-32		460259453-1-33	460259173-1-19
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**31**		***140***		***92***	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-131B_DMPDB33.8	MW-131C_DMPDB76.8	MW-136_DMPDB14.0	MW-136B_DMPDB45.0	MW-136C_DMPDB95.0	MW-143_DMPDB18.65
	Date Sampled:	6/2/2022	6/2/2022	5/31/2022	6/2/2022	6/2/2022	6/2/2022
	LAB Sample ID:	460259452-1-24	460259452-1-25	460259173-1-35	460259452-1-38	460259452-1-39	460259452-1-22
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	**27**	**18**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-143B_DMPDB46.8	MW-143C_DMPDB7	145A_DMPDB24.3	146A_DMPDB23.3	146B_DMPDB53.75	MW-146C_DMPDB6.75
Date Sampled:	6/2/2022	6/2/2022	6/3/2022	6/6/2022	6/6/2022	6/6/2022
LAB Sample ID:	460259452-1-20	460259452-1-21	460259454-1-26	460259679-1-26	460259679-1-24	460259679-1-25
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.4		**0.6**		0.33	U	0.38	J	0.33	U	0.39	J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-148A_DMPDB24.35		MW-148B_DMPDB44.85		MW-170AR_DMPDB15.25		MW-170BR_DMPDB135.0		MW-171A_DMPDB26.75	MW-171B_DMPDB46.75
Date Sampled:			5/31/2022		6/2/2022		5/31/2022		6/2/2022		6/3/2022	6/3/2022
LAB Sample ID:			460259173-1-21		460259452-1-26		460259173-1-33		460259452-1-36		460259454-1-24	460259454-1-23
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**0.53**		0.33	U	**1.3**	**1.4**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-171C_DMPDB6.75	MW-172_DMPDB37.0	MW-174_DMPDB34.75	MW-201_DMPDB28.75	MW-201A_DMPDB21.75	MW-201B_DMPDB41.8
	Date Sampled:	6/3/2022	5/31/2022	6/6/2022	6/2/2022	6/2/2022	6/2/2022
	LAB Sample ID:	460259454-1-25	460259173-1-16	460259679-1-48	460259452-1-10	460259452-1-9	460259452-1-7
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**1.1**	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-201C_DMPDB92.8	MW-204C_DMPDB61.75	MW-206B_DMPDB46.75	MW-206C_DMPDB76.75	MW-207A_DMPDB675	MW-207B_DMPDB44.75
	Date Sampled:	6/2/2022	6/6/2022	6/3/2022	6/3/2022	5/31/2022	6/1/2022
	LAB Sample ID:	460259452-1-8	460259679-1-33	460259454-1-10	460259454-1-11	460259173-1-25	460259453-1-22
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.68**	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-207C_DMPDB6209A_DMPDB1.75		MW-209A_DMPDB14.75		MW-209B_DMPDB36.75		MW-213B_DMPDB46.75		MW-213C_DMPDB7214A_DMPDB6.75		MW-214A_DMPDB23.25	
	Date Sampled:	6/1/2022		6/1/2022		6/1/2022		6/2/2022		6/2/2022		6/3/2022	
	LAB Sample ID:	460259453-1-21		460259453-1-5		460259453-1-4		460259452-1-30		460259452-1-31		460259454-1-40	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	**0.66**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-214B_DMPDB41.75	MW-214C_DMPDB6.75	MW-215C_DMPDB7.75	MW-216C_DMPDB7.75	MW-222_DMPDB71.75	MW-222C_DMPDB2.75
Date Sampled:	6/3/2022	6/3/2022	6/6/2022	6/6/2022	6/3/2022	6/3/2022
LAB Sample ID:	460259454-1-39	460259454-1-41	460259679-1-19	460259679-1-20	460259454-1-43	460259454-1-42
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	*CAS No.*	*GWQS*											
1,4-Dioxane	*123-91-1*	*0.4*	**5.8**		**3.2**		0.33	U	**1.1**		0.33	U	**1**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-230C_DMPDB6.75	MW-236B_DMPDB34.75	MW-236C_DMPDB4.75	MW-5237A_DMPDB27.5	MW-237C_DMPDB11.75	MW-238C_DMPDB6.75
	Date Sampled:	6/1/2022	6/3/2022	6/3/2022	5/31/2022	5/31/2022	6/6/2022
	LAB Sample ID:	460259453-1-42	460259454-1-38	460259454-1-37	460259173-1-5	460259173-1-3	460259679-1-34
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**8.3**	**0.42**	**0.71**	0.33 U	**14**	**2.2**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:			MW-243B_DMPDB48.5		MW-257A_DMPDB27.0		MW-257B_DMPDB46.75		MW-258B_DMPDB80.75		MW-258C_DMPDB106.75	MW-259BR_DMPDB42.5
Date Sampled:			6/2/2022		6/3/2022		6/3/2022		6/3/2022		6/3/2022	6/3/2022
LAB Sample ID:			460259452-1-34		460259454-1-28		460259454-1-27		460259454-1-46		460259454-1-45	460259454-1-12
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**0.64**		**2.3**		0.33	U	**0.49**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-260C_DMPDB6 2.0	MW-260-S3_DMPDB12 1.8	MW-265B_DMPDB41 .75	MW-265C_DMPDB9 1.8	MW-266A_DMPDB34 .75	MW-266B_DMPDB61 .95
Date Sampled:	6/6/2022	6/6/2022	5/31/2022	5/31/2022	5/31/2022	5/31/2022
LAB Sample ID:	460259679-1-11	460259679-1-12	460259173-1-18	460259173-1-17	460259173-1-9	460259173-1-7
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	**1**		0.33	U	**9.3**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-266C_DMPDB6.85	MW-8267A_DMPDB.75	MW-47267B_DMPDB.75	MW-96269A_DMPDB.0	MW-55269C_DMPDB21.8	MW-1270A_DMPDB.5
	Date Sampled:	5/31/2022	6/3/2022	6/3/2022	5/31/2022	6/6/2022	5/31/2022
	LAB Sample ID:	460259173-1-10	460259454-1-2	460259454-1-4	460259173-1-15	460259679-1-9	460259173-1-12
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**22**	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-271A_DMPDB56.8	MW-271B_DMPDB91.8	MW-271C_DMPDB1226.8	MW-273B_DMPDB41.8	MW-273C_DMPDB9274.80	MW-274A_DMPDB11.8
	Date Sampled:	5/31/2022	5/31/2022	5/31/2022	5/31/2022	6/1/2022	5/31/2022
	LAB Sample ID:	460259173-1-36	460259173-1-38	460259173-1-34	460259173-1-41	460259453-1-41	460259173-1-39
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-274B_DMPDB56.80	MW-274C_DMPDB91.8	MW-275B_DMPDB36.8	MW-276A_DMPDB26.8	MW-276B_DMPDB51.8	MW-276C_DMPDB86.8
	Date Sampled:	6/3/2022	6/3/2022	6/1/2022	6/2/2022	6/2/2022	6/2/2022
	LAB Sample ID:	460259454-1-5	460259454-1-6	460259453-1-28	460259452-1-17	460259452-1-18	460259452-1-19
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.94**	0.36 J	**36**	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-288B_DMPDB41.8	MW-295A_DMPDB17.5	MW-295C_DMPDB80.0	MW-304A_DMPDB17.5	MW-304B_DMPDB37.5(A)	MW-304B_DMPDB37.5(B)
	Date Sampled:	5/31/2022	5/31/2022	6/1/2022	6/3/2022	6/3/2022	6/3/2022
	LAB Sample ID:	460259173-1-43	460259173-1-6	460259453-1-11	460259454-1-31	460259454-1-29	460259454-1-30
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	**1.9**	**2.3**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-304C_DMPDB72.5(A)	MW-304C_DMPDB72.5(B)	MW-347B_DMPDB4.8	MW-348B_DMPDB5.8	MW-349B_DMPDB4.8	MW-349C_DMPDB91.8
	Date Sampled:	6/3/2022	6/3/2022	6/1/2022	6/1/2022	6/1/2022	6/1/2022
	LAB Sample ID:	460259454-1-32	460259454-1-33	460259453-1-23	460259453-1-24	460259453-1-26	460259453-1-27
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**1.1**	**1.2**	**1.3**	**2.7**	**3.8**	***200***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-351C_DMPDB6353A_DMPDB1.8	MW-49353B_DMPDB.25	MW-DMPDB76.3	MW-353C_DMPDB1357A_DMPDB24.25	MW-DMPDB20366B_DMPDB.0	MW-41.80
Date Sampled:	6/2/2022	6/2/2022	6/2/2022	6/2/2022	6/6/2022	6/6/2022
LAB Sample ID:	460259452-1-37	460259452-1-14	460259452-1-13	460259452-1-12	460259679-1-49	460259679-1-52
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
1,4-Dioxane	*123-91-1*	*0.4*	**0.56**		0.33	U	**0.52**		0.33	U	**1.8**		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-373B_DMPDB73.75	MW-373C_DMPDB1375A_DMPDB14.75	MW-50375B_DMPDB.75	MW-69.8	MW-375C_DMPDB1376B_DMPDB26.8	MW-81.0
	Date Sampled:	6/6/2022	6/6/2022	6/1/2022	6/1/2022	6/1/2022	5/31/2022
	LAB Sample ID:	460259679-1-43	460259679-1-44	460259453-1-15	460259453-1-16	460259453-1-17	460259173-1-23
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-376C_DMPDB1 19.8	MW-377B_DMPDB86.8	MW-377C_DMPDB1 09.8	MW-383A_DMPDB17.5	MW-391C_DMPDB1 15.0	MW-394C_DMPDB9 8.0
Date Sampled:	5/31/2022	6/6/2022	6/6/2022	6/1/2022	6/3/2022	6/6/2022
LAB Sample ID:	460259173-1-22	460259679-1-13	460259679-1-14	460259453-1-12	460259454-1-14	460259679-1-50
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	***130***		***180***	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

	Sample No.:	MW-416A_DMPDB34.8(A)	MW-416A_DMPDB34.8(B)	MW-416B_DMPDB49.25	MW-416C_DMPDB105.0	MW-453C2_DMPDB97.5	MW-457C1_DMPDB75.0
	Date Sampled:	6/3/2022	6/3/2022	6/3/2022	6/3/2022	6/6/2022	6/6/2022
	LAB Sample ID:	460259454-1-21	460259454-1-22	460259454-1-19	460259454-1-20	460259679-1-40	460259679-1-39
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**5.2**	**3.7**	**24**	***180***	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2022

Sample No.:	MW-483B_DMPDB57.5	MW-483C_DMPDB7 2.5	MW-487A_DMPDB1 .5	MW-7495B_DMPDB4 .5	MW-5 503C_DMPDB7 0.0	
Date Sampled:	6/1/2022	6/1/2022	6/1/2022	6/3/2022	6/3/2022	
LAB Sample ID:	460259453-1-19	460259453-1-20	460259453-1-34	460259454-1-51	460259454-1-50	
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***				
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**1.3**	**0.42**	**1.1** **1.2**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Attachment 1

Volatile Organic Compounds (VOCs) in Groundwater – 2Q 2023

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	66RI-MW4_DMPDB13.0		131RI-MW1_DMPDB12.75		138RI-MW1R_DMPDB24.5		187RI-MW2_DMPDB8.67		ART-MW-BR_DMPDB40.60(A)		ART-MW-BR_DMPDB40.60(B)	
Date Sampled:	4/18/2023		4/18/2023		4/18/2023		4/13/2023		4/17/2023		4/17/2023	
LAB Sample ID:	460278739-1-26		460278739-1-9		460278739-1-10		460278357-1-21		460278636-1-5		460278636-1-6	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	**11**		**13**	
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.78	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.7	J	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.46	J	0.31	J	0.44	J	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.37	J	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U -	0.31	U -
1,1-Dichloroethane	*75-34-3*	*50*	2		0.92	J	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**3**		0.75	J	0.54	J	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	3.2		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.33	J	0.4	J	**9.1**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U +	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	J	0.27	J	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**1.5**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U +	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	5.1	J	ND	U	6.3	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-2B_DMPDB132.75		DW-2-D2_DMPDB276.8		DW-3B_LF113.75		DW-3-D2_DMPDB286.8		DW-4C_DMPDB138.75		DW-4D_DMPDB446.75	
	Date Sampled:	4/13/2023		4/13/2023		5/11/2023		4/14/2023		4/19/2023		4/19/2023	
	LAB Sample ID:	460278357-1-5		460278357-1-2		460280294-1-6		460278392-1-2		460278753-1-20		460278753-1-19	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	6.6		4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U +	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	1.2		0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.43	J	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.32	J	0.22	U	0.22	U	0.22	U	14		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.27	J	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U +	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**26**		0.25	U	0.3	J	0.66	J	**110**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U +	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**10**		0.31	U	0.31	U	0.31	U	**5.4**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			DW-6B_DMPDB111.75		DW-6C_DMPDB287.75		DW-6D_DMPDB494.75		DW-7A_DMPDB123.8		DW-7B_DMPDB171.75		DW-7C_DMPDB341.75	
Date Sampled:			4/20/2023		4/20/2023		4/20/2023		4/19/2023		4/19/2023		4/19/2023	
LAB Sample ID:			460278752-1-7		460278752-1-6		460278752-1-5		460278753-1-13		460278753-1-10		460278753-1-7	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.2		0.33	U	0.33	U	0.36	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	56		13		3.6		6.2		8		65	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**150**		**1.3**		**10**		**2.9**		**360**		**6.6**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.68	J
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.38	J	0.26	J	0.24	U	0.66	J	0.24	U	0.34	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**13**		**1.1**		**1.4**		0.87	J	0.99	J	**4.9**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.52	J	**4.5**		0.6	J	**2.6**		0.52	J	0.29	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

		Sample No.:	DW-7D_DMPDB426.75		DW-8A_DMPDB117.75		DW-8B_DMPDB188.75		DW-8C_DMPDB303.75		DW-9A_DMPDB91.75		DW-11B_DMPDB96.75	
		Date Sampled:	4/19/2023		4/12/2023		4/12/2023		4/12/2023		4/20/2023		4/19/2023	
		LAB Sample ID:	460278753-1-8		460278390-1-14		460278390-1-15		460278390-1-13		460278752-1-4		460278753-1-28	
		LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	9.9		6.4		4.4	U	10		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.41	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.82	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.69	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	1.1	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	1.1	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	3.7	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	1.6	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.42	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.75	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	J	0.65	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.80	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.42	J	**210**		21		**490**		1.1		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.44	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.75*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.56	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*1.0*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.42	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.68	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.67	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.53	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.86	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.47	J	0.26	U	**1.3**	J	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.71	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.60	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	2.3	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.67	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	1.6	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.43	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	2.6	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	1.4	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.63	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.83	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**18**		**5.5**		**460**		**17**		**120**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.9	J	0.76	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.3	J	1.7		0.24	U	2.4		0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.45	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.62	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.71	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.48	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.41	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.69	J	**1.2**		**6.2**		**20**		**2.3**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.64	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.73	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.31	J	0.17	U	0.17	U	0.34	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	1.2		0.59	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.44	J	0.72	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	1.64	J	1.3	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	DW-11D_DMPDB4412A_6.75		DW-13012B_DMPDB182.75		DW-12CR_DMPDB5.75		DW-16.8		D2_DMPDB241.14A_8		DW-178.75	
Date Sampled:	4/19/2023		4/17/2023		4/17/2023		4/17/2023		4/13/2023		4/18/2023	
LAB Sample ID:	460278753-1-27		460278636-1-16		460278636-1-15		460278636-1-14		460278357-1-26		460278739-1-11	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	6.8		4.4	U	4.4	U	9.5		4.4	U	9.5	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	2.8	J	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	3.8	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.81	J
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	1.7		1.5		0.22	U	0.43	J	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U -	0.31	U -	0.31	U -	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.4	J	0.41	J	0.26	U	0.36	J	1.6	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.67	J	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.28	J	0.86	J	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.73	J	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.65	J	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.28	J	0.22	U	0.3	J	0.34	J	2.4	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.96	J	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**2.4**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.49	J	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.63	J	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.33	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	4.4		0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	6.7		0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	11.1		0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	6.7	JN	ND	U	17	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			DW-16A_DMPDB21.75		DW-16B_DMPDB293.75		DW-16C_DMPDB434.75		DW-17C_DMPDB116.75		DW-24_DMPDB17175		DW-27B_DMPDB291.75					
Date Sampled:			4/18/2023		4/18/2023		4/18/2023		4/14/2023		4/19/2023		4/20/2023					
LAB Sample ID:			460278739-1-17		460278739-1-16		460278739-1-15		460278392-1-27		460278753-1-32		460278752-1-18					
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																
Acetone	*67-64-1*	*6000*	4.4	U	25		16		5.4		11		5.6					
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.25	J	0.20	U	0.20	U	0.20	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
Chloroform	*67-66-3*	*70*	0.55	J	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U				
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	24		0.22	U	0.22	U	0.22	U	0.22	U	0.49	J				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	**150**		0.26	U	0.26	U	0.26	U	0.26	U	1.9					
1,2-Dichloroethane	*107-06-2*	*2*	1.2		0.43	U	0.43	U	0.43	U	0.43	U	0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	**210**		0.26	U	0.26	U	0.26	U	0.26	U	0.39	J				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND					
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U				
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	28		0.22	U	0.22	U	0.22	U	0.22	U	1.3					
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U				
Tetrachloroethene	*127-18-4*	*1*	**15**		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.58	J	0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	6.9		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U				
Trichloroethene	*79-01-6*	*1*	**21**		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U				
Vinyl Chloride	*75-01-4*	*1*	**4.3**		0.17	U	0.17	U	0.17	U	0.21	J	0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U				
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			DW-27C_DMPDB4228A_1.8		DMPDB18028B_.8		DMPDB30729B_.8		DMPDB286.75		DW-29C_DMPDB4330B_8.8		DMPDB256.75	
Date Sampled:			4/20/2023		4/12/2023		4/12/2023		4/12/2023		4/12/2023		4/12/2023	
LAB Sample ID:			460278752-1-17		460278390-1-24		460278390-1-23		460278390-1-21		460278390-1-22		460278390-1-5	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	5.3		4.4	U	4.4	U	4.8	J	5.6	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.31	J	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	2.9	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.41	J	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	3.6		3.7		0.22	U	0.66	J	18	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.3	J	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	1.3		0.61	J	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.4	J	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**28**		1		**15**		**3.9**		**1.5**	
Toluene	*108-88-3*	*600*	0.49	J	0.38	U	2.2		3.2		0.9	J	1.3	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.52	J	0.24	U	0.35	J	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**1.6**		**48**		0.34	J	**6.1**		0.95	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	2.3		0.66	J	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	2.6		0.75	J	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	4.9		1.41	J	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	7.7	JN	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

		Sample No.:	DW-31C_DMPDB4332A_DMPDB1556.8		DW-155.75		DW-32B_LF297.75		DW-33A_LF151.8033B_DMPDB275.8		DW-33C_DMPDB416.8			
		Date Sampled:	4/12/2023		4/17/2023		5/11/2023		5/11/2023		4/18/2023		4/18/2023	
		LAB Sample ID:	460278390-1-4		460278636-1-19		460280294-1-8		460280294-1-10		460278739-1-21		460278739-1-23	
		LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	24		8.3	
Benzene	*71-43-2*	*1*	0.32	J	0.20	U	0.20	U	0.20	U	0.20	U	0.62	J
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U +	0.55	U +	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	2.7	J	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.59	J	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	1.8		0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.47	J	0.33	U	1.1		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.37	J	0.86	J	15		0.86	J	0.71	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U -	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	3		21		**100**		1.4		1.7	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.83	J	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**2.8**		**4.1**		**150**		0.76	J	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.32	J
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U +	0.79	U +	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.63	J	4.1		19		0.93	J	0.84	J	0.59	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.33	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.5	J	0.25	U	**8.8**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	4.7		0.38	U	0.7	J	0.38	U	2.5		3.2	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.44	J	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U +	0.36	U +	0.36	U +	0.36	U +
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	11		0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.32	J	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.54	J	0.31	U	**11**		**1.1**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U +	0.37	U +
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	**1.1**		0.93	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.91	J
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.61	J
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	1.52	J
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	16	JN	13.5	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	DW-34B_DMPDB28637.75		DW-B_DMPDB29638.8		DW-A_DMPDB17738.8		DW-B_DMPDB24839.8		DW-B_DMPDB292.8		DW-39C_DMPDB492.8	
Date Sampled:	4/18/2023		4/13/2023		4/14/2023		4/14/2023		4/17/2023		4/17/2023	
LAB Sample ID:	460278739-1-3		460278357-1-8		460278392-1-9		460278392-1-8		460278636-1-25		460278636-1-24	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	15		4.4	U	4.4	U	5.7		5.5	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	4.4	J	1.9	U	1.9	U	1.9	U	3	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.47	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	8.1		0.33	U	0.33	U	1.2		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	18		0.22	U	0.22	U	1.4		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	**97**		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	1.2		0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**300**		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.33	J	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	J	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.87	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**32**		**2.8**		**1.2**		**30**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	5.6		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	11		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**38**		1		**2.3**		**2.1**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.23	J	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			DW-40A_DMPDB13.8			DW-40B_DMPDB246.8			DW-40C_DMPDB396.8			DW-41C_DMPDB4246.8			DW-45A_DMPDB12152.8			DW-126.8		
Date Sampled:			4/14/2023			4/14/2023			4/14/2023			4/20/2023			4/20/2023			4/20/2023		
LAB Sample ID:			460278392-1-12			460278392-1-11			460278392-1-10			460278752-1-3			460278752-1-2			460278752-1-29		
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison		
Parameter (ug/l)	***CAS No.***	***GWQS***																		
Acetone	*67-64-1*	*6000*	4.4	U		4.4	U		5.4			4.4	U		4.4	U		4.4	U	
Benzene	*71-43-2*	*1*	0.20	U		0.20	U		0.23	J		0.20	U		0.20	U		0.20	U	
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U	
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U	
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		2	J		1.9	U		1.9	U		1.9	U	
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U	
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U	
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U	
Chloromethane	*74-87-3*	*100*	0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U	
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		0.22	U		0.29	J		12			3.8			1.3		
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U	
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U	
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U	
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND		
Ethylbenzene	*100-41-4*	*700*	0.30	U		0.30	U		0.30	U		0.37	J		0.30	U		0.30	U	
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U	
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		1.4			0.22	U		0.22	U		0.22	U	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U	
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U	
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	
Tetrachloroethene	*127-18-4*	*1*	0.25	U		0.25	U		0.25	U		**2.6**			0.25	U		0.83	J	
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.87	J		0.91	J		0.38	U		0.38	U	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.83	J		0.3	J	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U	
Trichloroethene	*79-01-6*	*1*	0.31	U		0.31	U		0.31	U		**3.5**			0.37	J		0.65	J	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.3	J		0.33	J		**2.7**			0.17	U	
m,p-Xylene	*179601-23-1*	*--*	0.30	U		0.3	J		0.34	J		1.6			0.30	U		0.30	U	
o-Xylene	*95-47-6*	*--*	0.36	U		0.4	J		0.36	U		0.74	J		0.36	U		0.36	U	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.7	J		0.34	U		2.34			0.65	U		0.65	U	
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		63.2	JN		5	JN		7.5	J		ND	U	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	DW-58A_DMPDB21664A_DMPDB236.8	DW-58A_DMPDB21664A_DMPDB236.8	DW-65-73-S2	DW-65-91-S3	DW-65-119-S3	DW-65-145-D1
Date Sampled:	4/13/2023	4/19/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
LAB Sample ID:	460278357-1-16	460278753-1-15	460277401-1-12	460277401-1-11	460277401-1-10	460277401-1-9
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS												
Acetone	*67-64-1*	*6000*	5.9		26		4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.66	J	0.35	J	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	4.9		3.1		0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.34	J	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	2.5		0.22	U	1.2		0.43	J	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.34	J	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	1.8		1.1		0.26	U	0.61	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	**2.3**		1.6		0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**8.3**		**3.2**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	**230**		**480**		2.4		2.1	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.49	J	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**13**		**17**		0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.34	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**1.4**		0.98	J	0.46	J	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	**4.4**		**1.7**		0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	85.7	JN	18.2	JN	122.2	JN	67	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

			Sample No.:	DW-65-154-D1		DW-65-176-D1		DW-65-199-D1		DW-65-221-D1		DW-65-262-D2		DW-65-350-D2	
			Date Sampled:	3/29/2023		3/29/2023		3/29/2023		3/29/2023		3/29/2023		3/29/2023	
			LAB Sample ID:	460277401-1-8		460277401-1-7		460277401-1-6		460277401-1-5		460277401-1-4		460277401-1-3	
			LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.32	J	0.23	J	0.20	U	0.20	U	
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.97	J	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	12		0.38	U	0.38	U	0.38	U	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.87	J	0.32	U	0.32	U	
Chloroform	*67-66-3*	*70*	0.33	U	0.44	J	0.33	U	0.33	U	0.41	J	0.33	U	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.34	J	0.49	J	9.6		1.6		17		0.67	J	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	
1,1-Dichloroethane	*75-34-3*	*50*	0.87	J	1.3		4.6		0.96	J	3.6		1		
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	**44**		0.97	J	
1,1-Dichloroethene	*75-35-4*	*1*	0.69	J	**1.2**		**1.8**		0.26	U	**5.1**		0.26	U	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND		
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	4.4		0.22	U	1.4		0.94	J	12		0.27	J	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.94	J	0.25	U	0.25	U	**4**		0.25	U	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	1.6		0.31	U	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	
Trichloroethene	*79-01-6*	*1*	0.31	U	0.6	J	0.62	J	0.31	U	**26**		0.54	J	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.87	J	**1.2**		0.33	J	0.17	U	
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	79	JN	93	JN	ND	U	19.7	JN	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			DW-67B_LF269.568A_DMPDB202.5		DW-70-83-S3		DW-70-114-S3		DW-70-123-D1		DW-70-150-D1 (A)	
Date Sampled:			5/10/2023		4/17/2023		3/29/2023		3/29/2023		3/29/2023		3/29/2023	
LAB Sample ID:			460280294-1-5		460278636-1-7		460277401-1-20		460277401-1-19		460277401-1-18		460277401-1-16	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.32	J
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U +	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.9	J	2.5		16	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.68	J	1.8		0.55	J	1.1	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	14		0.72	J	5.2		14		8.7		5.3	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	1.4		12		98	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.44	J	3		24	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	1.5		10		**88**	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U -	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	3.5		1.1		8.1		36		42		26	
1,2-Dichloroethane	*107-06-2*	*2*	**26**		1.8		1.1		**4.6**		1.6		0.53	J
1,1-Dichloroethene	*75-35-4*	*1*	**2.9**		0.26	U	**18**		**88**		**120**		**51**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	0.79	U	0.79	U +	0.79	U +	0.79	U +	0.79	U +
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	11		1.9		1		5.3		3.9		1.7	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2.4**		0.25	U	**4.3**		**21**		**4**		**5**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.37	J	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.52	J	0.31	U	6.9		17		1.7		0.92	J
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U +	0.36	U	0.36	U	0.36	U	1		6.8	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.49	J	0.6	J	1.8		1.2	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.3	J	0.20	U
Trichloroethene	*79-01-6*	*1*	**8.5**		0.31	U	**34**		**77**		**14**		**7.2**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	1.1		8.8	
Vinyl Chloride	*75-01-4*	*1*	**1.1**		0.37	J	0.17	U	0.2	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.37	J	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.37	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-70-150-D1 (B)		DW-70-174-D1		DW-70-205-D1		DW-70-261-D2		DW-72-120-S3		DW-72-146-S3	
	Date Sampled:	3/29/2023		3/29/2023		3/29/2023		3/29/2023		3/30/2023		3/30/2023	
	LAB Sample ID:	460277401-1-17		460277401-1-15		460277401-1-14		460277401-1-13		460277401-1-28		460277401-1-27	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.21	J	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	12		0.38	U	0.38	U	6.4		0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.75	J	2		0.33	U	0.5	J	1.1		0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.9		4.7		0.62	J	7.4		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	81		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	19		0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	70		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	21		23		1.2		6.7		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.52	J	0.43	U	0.43	U	**3.8**		0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**41**		**50**		**3.2**		**10**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	0.79	U +	0.79	U	0.79	U	0.79	U +	0.79	U +
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.4		0.39	J	0.22	U	2.3		0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**3.7**		**5.6**		0.82	J	**5.1**		**4.9**		**46**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.27	J	0.24	U	0.31	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.86	J	2.5		0.47	J	2.8		0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	5.8		0.98	J	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1		1		0.24	U	0.26	J	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**5.5**		**7.1**		0.96	J	**18**		0.33	J	**7.1**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	7.5		0.45	J	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.25	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	19.9	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-72-167-D1 (A)		DW-72-167-D1 (B)		DW-72-176-D1		DW-72-217-D1		DW-72-237-D1		DW-72-316-D2	
	Date Sampled:	3/30/2023		3/30/2023		3/30/2023		3/30/2023		3/30/2023		3/30/2023	
	LAB Sample ID:	460277401-1-25		460277401-1-26		460277401-1-24		460277401-1-23		460277401-1-22		460277401-1-21	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.53	J	0.58	J	1.1		0.74	J	0.95	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	2.3	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.55	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	0.79	U +	0.79	U +	0.79	U	0.79	U	0.79	U +
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**9.5**		**13**		**120**		**16**		**40**		**6.7**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.68	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.37	J	0.42	J	0.39	J	0.31	U	0.44	J	**240**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			IW-157C2_DMPDB95.0		IW-168B_DMPDB43.5		IW-168C1_DMPDB68.5		IW-168C2_DMPDB93.5(A)		IW-168C2_DMPDB93.5(B)		IW-197A_DMPDB26.3(A)	
Date Sampled:			4/20/2023		4/20/2023		4/20/2023		4/20/2023		4/20/2023		4/19/2023	
LAB Sample ID:			460278752-1-27		460278752-1-11		460278752-1-10		460278752-1-8		460278752-1-9		460278753-1-5	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	10		4.4	U	4.4	U	4.4	U	4.4	U	8.4	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	7.1	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.69	J	3.7		11		**320**		**330**		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.79	J	0.38	J	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.46	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**1.2**		1		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**20**		**14**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.96	J	0.87	J	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.87	J	1		**36**		**54**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.42	J	**4.7**		**2.5**		**2.2**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	5	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

		Sample No.:	IW-197A_DMPDB26.3(B)		IW-199B_DMPDB40.6		MW-1G_DMPDB10.75		MW-2B_DMPDB52.5		MW-2G_DMPDB10.75		MW-15A_DMPDB13.25	
		Date Sampled:	4/19/2023		4/19/2023		4/18/2023		4/17/2023		4/18/2023		4/18/2023	
		LAB Sample ID:	460278753-1-6		460278753-1-4		460278739-1-6		460278636-1-2		460278739-1-5		460278739-1-32	
		LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	9.3		10		4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	7.5		28		0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.5		0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.5	J	2.5		0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U -	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.46	J	0.26	U	12		0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**15**		0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**2.9**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U +
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	1.2		0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**7.3**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U +
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	18.8	JN	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-16_DMPDB10.5		MW-22A_DMPDB40.75(A)		MW-22A_DMPDB40.75(B)		MW-24_DMPDB32.0		MW-24C_DMPDB40.0		MW-43_DMPDB21.85	
Date Sampled:			4/17/2023		4/18/2023		4/18/2023		4/12/2023		4/17/2023		4/13/2023	
LAB Sample ID:			460278636-1-23		460278739-1-27		460278739-1-28		460278390-1-12		460278636-1-32		460278357-1-18	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	**6.3**		0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.39	J	0.45	J	0.38	U	3.9		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	7.1		0.59	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.49	J
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.43	J	0.52	J	18		**310**		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	NA		*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	NA		*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.27	J	3.5		0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.77	J	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.98	J	1.1		0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.85	J	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	**2.8**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.64	J	0.63	J	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**7.7**		**190**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	1.6		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U +	0.36	U +	0.36	U	0.36	U +	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**5.1**		**92**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U +	0.37	U +	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	**34**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	NA		ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-44_DMPDB16.0		MW-44B_DMPDB41.75		MW-44C_DMPDB76.75		MW-46_DMPDB58.75(A)		MW-46_DMPDB58.75(B)		MW-58_DMPDB31.75	
Date Sampled:			4/20/2023		4/20/2023		4/20/2023		4/14/2023		4/14/2023		4/12/2023	
LAB Sample ID:			460278752-1-19		460278752-1-20		460278752-1-21		460278392-1-4		460278392-1-5		460278390-1-2	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.2		0.78	J	0.87	J	0.34	J	0.36	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-80C_DMPDB23.0			MW-102_DMPDB11.10			104B_DMPDB30.1			MW-105A_DMPDB7.9			MW-105B_DMPDB36.0			MW-106A_DMPDB9.4	
Date Sampled:			4/12/2023			4/20/2023			4/14/2023			4/20/2023			4/20/2023			4/14/2023	
LAB Sample ID:			460278390-1-16			460278752-1-28			460278392-1-26			460278752-1-13			460278752-1-14			460278392-1-23	
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***																		
Acetone	*67-64-1*	*6000*	4.4	U		4.4	U		4.4	U		4.4	U		4.4	U		4.4	U	
Benzene	*71-43-2*	*1*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U	
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U	
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U	
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U	
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U	
Carbon tetrachloride	*56-23-5*	*1*	0.45	J		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U	
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U	
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
Chloroform	*67-66-3*	*70*	1.3			0.33	U		0.33	U		0.33	U		0.33	U		0.33	U	
Chloromethane	*74-87-3*	*100*	0.40	U		0.40	U		0.40	U		0.40	U		0.68	J		0.40	U	
cis-1,2-Dichloroethene	*156-59-2*	*70*	**160**			1.8			0.37	J		0.22	U		0.22	U		1.7		
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U	
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U	
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		3.7		
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U	
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		**2.1**		
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND		
Ethylbenzene	*100-41-4*	*700*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U	
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U	
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U	
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U	
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	
Tetrachloroethene	*127-18-4*	*1*	**210**			**5.6**			0.25	U		0.25	U		0.25	U		0.37	J	
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U	
trans-1,2-Dichloroethene	*156-60-5*	*100*	1.2			0.24	U		0.24	U		0.24	U		0.24	U		0.24	U	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U	
Trichloroethene	*79-01-6*	*1*	**26**			0.47	J		0.31	U		0.31	U		0.31	U		**1.4**		
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.96	J	
m,p-Xylene	*179601-23-1*	*--*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U	
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U	
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-106B_DMPDB31.2(A)	MW-106B_DMPDB31.2(B)	MW-112A_DMPDB6.80	MW-114_DMPDB75.4	MW-114A_DMPDB71.8	MW-117_DMPDB71.25
Date Sampled:	4/14/2023	4/14/2023	4/14/2023	4/13/2023	4/13/2023	4/18/2023
LAB Sample ID:	460278392-1-24	460278392-1-25	460278392-1-36	460278357-1-3	460278357-1-4	460278739-1-35
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS												
Acetone	*67-64-1*	*6000*	10		6.4		4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	4.6		10		3.3		0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.58	J	0.32	J	0.3	J	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**130**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U +
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.4	J	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U +
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-120_DMPDB76.1247 5		MW-124A_DMPDB23.0		MW-124B_DMPDB25.75		MW-126_DMPDB8.5		MW-126B_DMPDB41.8		MW-126C_DMPDB76.8	
Date Sampled:			4/14/2023		4/14/2023		4/14/2023		4/13/2023		4/13/2023		4/13/2023	
LAB Sample ID:			460278392-1-3		460278392-1-34		460278392-1-35		460278357-1-29		460278357-1-30		460278357-1-31	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	2.1		0.33	U	0.33	U	0.41	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	1		2.4		2.9	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	3.5		8.8		12	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**2.8**		**6.5**		**7.4**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	1.8		6.5		5	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.6	J	**1.2**		**1.6**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.45	J	0.59	J
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**1.6**		**3.3**		**4.6**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.21	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	10	J	6.1	JN	5.2	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-131_DMPDB14.45		MW-131B_DMPDB33.8		MW-131C_DMPDB76.8		MW-136_DMPDB14.0		MW-136B_DMPDB45.0		MW-136C_DMPDB95.5	
	Date Sampled:	4/14/2023		4/14/2023		4/14/2023		4/17/2023		4/17/2023		4/17/2023	
	LAB Sample ID:	460278392-1-29		460278392-1-30		460278392-1-28		460278636-1-10		460278636-1-9		460278636-1-8	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.25	J	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.4	J	1.2		0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U -	0.31	U -	0.31	U -
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.73	J	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.26	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	19	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-143_DMPDB18.65	MW-143B_DMPDB46.8	MW-143C_DMPDB76.8	MW-145A-DMPDB24.3	146A_DMPDB23.3(A)	146A_DMPDB23.3(B)
Date Sampled:	4/17/2023	4/17/2023	4/17/2023	4/14/2023	4/19/2023	4/19/2023
LAB Sample ID:	460278636-1-31	460278636-1-29	460278636-1-30	460278392-1-18	460278753-1-23	460278753-1-24
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.22	J	0.23	J	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	1.6		1.2		0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.67	J	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.31	J	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**55**		**23**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.57	J	0.7	J	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-146B_DMPDB53.75		MW-146C_DMPDB6148A_DMPDB6.75		MW-24148B_DMPDB.35		MW-44148B_DMPDB.85(A)		MW-44 .85(B)		MW-170AR_DMPDB15.25					
Date Sampled:			4/19/2023		4/19/2023		4/14/2023		4/14/2023		4/14/2023		4/17/2023					
LAB Sample ID:			460278753-1-22		460278753-1-21		460278392-1-33		460278392-1-31		460278392-1-32		460278636-1-18					
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U				
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
Chloroform	*67-66-3*	*70*	0.33	U	0.44	J	0.33	U	2		2.4		0.33	U				
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	3.6		0.22	U	0.22	U	0.22	U	3.2					
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U -				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND					
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U				
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.1		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U				
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**54**		0.25	U	0.25	U	0.25	U	0.25	U				
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U				
Trichloroethene	*79-01-6*	*1*	0.31	U	**1.9**		0.31	U	0.31	U	0.31	U	0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	**1.7**					
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U				
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-170BR_DMPDB171A_35.0			MW-DMPDB26171B_.75			MW-DMPDB46.75			MW-171C_DMPDB6.75			MW-172_DMPDB37.0			MW-174_DMPDB34.75	
Date Sampled:			4/17/2023			4/14/2023			4/14/2023			4/14/2023			4/13/2023			4/20/2023	
LAB Sample ID:			460278636-1-17			460278392-1-16			460278392-1-17			460278392-1-15			460278357-1-17			460278752-1-24	
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***																	
Acetone	*67-64-1*	*6000*	4.4	U		4.4	U		4.4	U		4.4	U		4.4	U		4.4	U
Benzene	*71-43-2*	*1*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.45	J		0.76	J		0.33	U		0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	11			10			8.4			6.3			0.22	U		0.39	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U -		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.31	J		0.47	J		0.34	J		0.46	J		0.26	U		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U
Tetrachloroethene	*127-18-4*	*1*	**89**			**330**			**250**			**310**			0.25	U		0.25	U
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U
Trichloroethene	*79-01-6*	*1*	**3.4**			**6.4**			**4.9**			**5.1**			0.31	U		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-201_DMPDB28.75		MW-201A_DMPDB21.75		MW-201B_DMPDB41.8		MW-201C_DMPDB92.8		MW-204C_DMPDB61.75		MW-6206B_DMPDB76.75	
Date Sampled:	4/19/2023		4/19/2023		4/19/2023		4/19/2023		4/18/2023		4/18/2023	
LAB Sample ID:	460278753-1-12		460278753-1-11		460278753-1-9		460278753-1-14		460278739-1-33		460278739-1-14	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	22	U	8.8	U	22	U	8.8	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	1.0	U	0.53	J	1.0	U	0.41	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	2.1	U	0.82	U	2.1	U	0.82	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	*1.7*	U	0.69	U	*1.7*	U	0.69	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	2.7	U	1.1	U	2.7	U	1.1	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	2.8	U	1.1	U	2.8	U	1.1	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	9.3	U	3.7	U	9.3	U	3.7	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	4.1	U	1.6	U	4.1	U	1.6	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	1.0	U	0.42	U	1.0	U	0.42	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	9.6		19		5.4		0.75	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	1.6	U	0.64	U	1.6	U	0.64	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.6	U	0.65	U	1.6	U	0.71	J	0.33	U	0.6	J
Chloromethane	*74-87-3*	*100*	2.0	U	0.80	U	2.0	U	0.80	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**330**		**810**		**140**		1.9	J	5.5		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	--	1.1	U	0.44	U	1.1	U	0.44	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	1.6	U	0.64	U	1.6	U	0.64	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*1.9*	U	*0.75*	U	*1.9*	U	*0.75*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	*1.4*	U	0.56	U	*1.4*	U	0.56	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*2.5*	U	*1.0*	U	*2.5*	U	*1.0*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	11		25		4.9	J	0.42	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	1.7	U	0.68	U	1.7	U	0.68	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	2.4	J	5.2		1.7	U	0.67	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	1.6	U	0.62	U	1.6	U	0.62	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1.3	U	0.53	U	1.3	U	0.53	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	***3.6***	J	**3.6**		*2.2*	U	0.86	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	***4.2***	J	**13**		***1.4***	J	0.53	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	*1.8*	U	0.71	U	*1.8*	U	0.71	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	1.5	U	0.60	U	1.5	U	0.60	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	5.7	U	2.3	U	5.7	U	2.3	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	1.7	U	0.67	U	1.7	U	0.67	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	3.9	U	1.6	U	3.9	U	1.6	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.1	U	0.43	U	1.1	U	0.43	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	6.5	U	2.6	U	6.5	U	2.6	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	3.5	U	1.4	U	3.5	U	1.4	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	1.6	U	0.63	U	1.6	U	0.63	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	2.1	U	0.83	U	2.1	U	0.83	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	*1.8*	U	0.73	U	*1.8*	U	0.73	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	***980***		**380**		***920***		**460**		**65**		0.25	U
Toluene	*108-88-3*	*600*	1.9	U	0.76	U	1.9	U	0.76	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	1.6	J	4.7		1.2	U	0.47	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	--	1.1	U	0.45	U	1.1	U	0.45	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	1.6	U	0.62	U	1.6	U	0.62	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	1.8	U	0.71	U	1.8	U	0.71	U	0.36	U +	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.2	U	0.48	U	1.2	U	0.48	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	1.0	U	0.41	U	1.0	U	0.41	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	***280***		**660**		***110***		**1.4**	J	**1.3**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	1.6	U	0.64	U	1.6	U	0.64	U	0.44	J	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	1.8	U	0.73	U	1.8	U	0.73	U	0.37	U +	0.37	U
Vinyl Chloride	*75-01-4*	*1*	**5.9**		**13**		0.86	U	0.34	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	--	1.5	U	0.59	U	1.5	U	0.59	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	--	1.8	U	0.72	U	1.8	U	0.72	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	3.3	U	1.3	U	3.3	U	1.3	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-206C_DMPDB7 6.75	MW-207A_DMPDB6.75	MW-207B_DMPDB44.75	MW-207C_DMPDB6 1.75	MW-209A_DMPDB14 .75	MW-209B_DMPDB36.75
Date Sampled:	4/18/2023	4/13/2023	4/13/2023	4/13/2023	4/18/2023	4/18/2023
LAB Sample ID:	460278739-1-13	460278357-1-22	460278357-1-23	460278357-1-24	460278739-1-8	460278739-1-7
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
Acetone	67-64-1	6000	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	71-43-2	1	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	74-97-5	100	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	75-27-4	1	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	75-25-2	4	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	74-83-9	10	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	78-93-3	300	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	75-15-0	700	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	56-23-5	1	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	108-90-7	50	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	75-00-3	100	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	67-66-3	70	0.57	J	0.41	J	0.67	J	0.33	U	0.33	U	1.4	
Chloromethane	74-87-3	100	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	156-59-2	70	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.28	J
cis-1,3-Dichloropropene	10061-01-5	--	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	110-82-7	100	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	96-12-8	0.02	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Dibromochloromethane	124-48-1	1	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	106-93-4	0.03	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	95-50-1	600	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	541-73-1	600	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	106-46-7	75	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	75-71-8	1000	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	75-34-3	50	0.26	U	0.26	U	0.26	U	0.59	J	0.26	U	1.4	
1,2-Dichloroethane	107-06-2	2	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	75-35-4	1	0.26	U	0.26	U	0.26	U	0.7	J	0.26	U	**2.2**	
1,2-Dichloropropane	78-87-5	1	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	542-75-6	1	ND		ND		ND		ND		ND		ND	
Ethylbenzene	100-41-4	700	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	591-78-6	40	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	98-82-8	700	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	79-20-9	7000	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	1634-04-4	70	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	108-10-1	100	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	108-87-2	100	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	75-09-2	3	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	100-42-5	100	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	79-34-5	1	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	127-18-4	1	0.25	U	0.25	U	0.25	U	0.56	J	0.25	U	0.34	J
Toluene	108-88-3	600	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	156-60-5	100	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	10061-02-6	--	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	76-13-1	20000	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	87-61-6	100	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	71-55-6	30	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	79-00-5	3	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	79-01-6	1	0.31	U	0.31	U	0.31	U	**1.3**		0.31	U	0.62	J
Trichlorofluoromethane	75-69-4	2000	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	120-82-1	9	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	75-01-4	1	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	179601-23-1	--	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	95-47-6	--	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	1330-20-7	1000	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	SRP170	500	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-213B_DMPDB46.75		MW-213C_DMPDB7214A_DMPDB6.75		MW-23214B_DMPDB41.25		MW-41.75		MW-214C_DMPDB6.75		MW-215C_DMPDB7.75	
Date Sampled:	4/19/2023		4/19/2023		4/19/2023		4/19/2023		4/19/2023		4/19/2023	
LAB Sample ID:	460278753-1-38		460278753-1-39		460278753-1-36		460278753-1-35		460278753-1-37		460278753-1-29	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	12		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.25	J	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.49	J	0.62	J	1.4		0.76	J	1		2.6	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.57	J	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	3.7		2.8		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	1.1		24		18		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**1.2**		**24**		**22**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**1.6**		**2.9**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	2.6		2.2		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**3**		**2.8**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-216C_DMPDB7 1.75			MW-222_DMPDB71. 75			MW-222C_DMPDB2 53.75			MW-226C_LF76.75			MW-230C_DMPDB6 6.75			MW-236B_DMPDB34 .75					
Date Sampled:			4/19/2023			4/19/2023			4/19/2023			5/10/2023			4/18/2023			4/20/2023					
LAB Sample ID:			460278753-1-18			460278753-1-31			460278753-1-30			460280294-1-3			460278739-1-25			460278752-1-16					
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison					
Parameter (ug/l)	***CAS No.***	***GWQS***																						
Acetone	*67-64-1*	*6000*	4.4	U		4.4	U		4.4	U		4.4	U		13			4.4	U				
Benzene	*71-43-2*	*1*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U				
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U				
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U				
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U	+	0.55	U		0.55	U				
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U				
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.93	J		0.82	U		0.82	U		0.82	U				
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Chloroform	*67-66-3*	*70*	1.2			6.3			0.33	U		0.37	J		0.69	J		0.98	J				
Chloromethane	*74-87-3*	*100*	0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U				
cis-1,2-Dichloroethene	*156-59-2*	*70*	4.6			0.22	U		0.22	U		0.22	U		5.1			0.22	U				
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U				
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U				
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U				
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U				
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U				
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.59	J		34			0.26	U				
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U				
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		**32**			0.26	U				
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U				
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND					
Ethylbenzene	*100-41-4*	*700*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U				
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U				
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U				
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U	+	0.79	U		0.79	U				
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		1.1			2.8			0.22	U				
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U				
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U				
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U				
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U				
Tetrachloroethene	*127-18-4*	*1*	**91**			**2.2**			0.25	U		0.25	U		**2.8**			0.25	U				
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U				
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U				
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U				
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U				
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U	+	0.36	U	+	0.36	U				
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		8.8			0.24	U				
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U				
Trichloroethene	*79-01-6*	*1*	**2.7**			0.31	U		0.31	U		0.31	U		**3.1**			0.31	U				
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U				
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	+	0.37	U				
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U				
m,p-Xylene	*179601-23-1*	*--*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U				
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U				
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U				
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		10	JN		ND	U		ND	U				

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-257B_DMPDB46.75	MW-258B_DMPDB80.75	MW-258C_DMPDB106.75	MW-259BR_DMPDB42.5	MW-260C_DMPDB62.0	MW-S3_DMPDB121.8
Date Sampled:	4/19/2023	4/19/2023	4/19/2023	4/18/2023	4/13/2023	4/13/2023
LAB Sample ID:	460278753-1-26	460278753-1-34	460278753-1-33	460278739-1-12	460278357-1-11	460278357-1-10
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	J
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.53	J	0.91	J	2.5		3.2	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.76	J	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	35		0.22	U	0.47	J	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.28	J	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.48	J	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**270**		0.25	U	**5.7**		0.88	J	0.26	J	**22**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.31	J	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**10**		0.31	U	0.45	J	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	1		0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-265B_DMPDB41.75			MW-265C_DMPDB9266A_DMPDB1.8			MW-34266B_DMPDB.75			MW-61.95			MW-266C_DMPDB8267A_DMPDB6.85			MW-47.75	
Date Sampled:			4/12/2023			4/12/2023			4/17/2023			4/17/2023			4/17/2023			4/18/2023	
LAB Sample ID:			460278390-1-6			460278390-1-7			460278636-1-21			460278636-1-22			460278636-1-20			460278739-1-4	
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***																		
Acetone	*67-64-1*	*6000*	4.4	U		4.4	U		4.4	U		4.4	U		4.4	U		4.4	U	
Benzene	*71-43-2*	*1*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U	
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U	
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U	
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U	
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U	
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U	
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.35	J		0.94	J		0.32	U	
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U	
Chloromethane	*74-87-3*	*100*	0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U	
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.39	J		0.22	U		0.22	U		0.96	J		2.2			0.22	U	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U	
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.22	J		0.21	U	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U	
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		19			**58**			0.26	U	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.5	J		0.43	U	
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.4	J		0.26	U		**1.3**			**6.5**			0.26	U	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND		
Ethylbenzene	*100-41-4*	*700*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U	
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U	
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U	
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.49	J		17			19			0.22	U	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U	
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U	
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	
Tetrachloroethene	*127-18-4*	*1*	**18**			**11**			0.25	U		0.25	U		0.27	J		0.43	J	
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U	
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U	
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		1.3			0.24	U	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U	
Trichloroethene	*79-01-6*	*1*	0.31	U		0.31	U		0.31	U		0.31	U		0.46	J		**1.6**		
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U	
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		**2.2**			**2.1**			0.17	U	
m,p-Xylene	*179601-23-1*	*--*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U	
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U	
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-267B_DMPDB96269A_DMPDB55.75			MW-269C_DMPDB1270A_DMPDB59271A_DMPDB56271B_DMPDB91.8			MW-21.8			MW-.5			MW-.8			MW-.8
Date Sampled:			4/18/2023			4/14/2023			4/14/2023			4/13/2023			4/12/2023			4/12/2023
LAB Sample ID:			460278739-1-2			460278392-1-6			460278392-1-7			460278357-1-9			460278390-1-26			460278390-1-25
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***																
Acetone	*67-64-1*	*6000*	4.4	U		4.4	U		4.4	U		4.4	U		4.4	U		4.4	U
Benzene	*71-43-2*	*1*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.82	U		0.82	U		0.82	U		0.82	U		0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Chloroform	*67-66-3*	*70*	0.33	U		1.9			0.49	J		0.33	U		0.33	U		17	
Chloromethane	*74-87-3*	*100*	0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.43	U		0.43	U		0.43	U		0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U		0.25	U		0.26	J		0.25	U		0.26	J		0.61	J
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U
Trichloroethene	*79-01-6*	*1*	0.68	J		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-271C_DMPDB1273B_DMPDB41 26.8	MW-273C-DMPDB92.80274A_DMPDB11274B_DMPDB56 .8	MW-274C_DMPDB9 1.8
Date Sampled:	4/12/2023	4/18/2023	4/18/2023	4/18/2023	4/18/2023	4/18/2023
LAB Sample ID:	460278390-1-27	460278739-1-22	460278739-1-24	460278739-1-20	460278739-1-19	460278739-1-18
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS												
Acetone	67-64-1	6000	22	U	4.4	U	4.4	U	48		9.2		4.4	U
Benzene	71-43-2	1	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	74-97-5	100	2.1	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	75-27-4	1	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	75-25-2	4	2.7	U	0.54	U	0.54	U	1.1		0.54	U	0.54	U
Bromomethane	74-83-9	10	2.8	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	78-93-3	300	9.3	U	1.9	U	1.9	U	3	J	1.9	U	1.9	U
Carbon Disulfide	75-15-0	700	4.1	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	56-23-5	1	1.0	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	108-90-7	50	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	75-00-3	100	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	67-66-3	70	1.9	J	0.52	J	0.33	U	0.35	J	0.64	J	0.5	J
Chloromethane	74-87-3	100	2.0	U	0.40	U	0.40	U	0.55	J	0.87	J	0.40	U
cis-1,2-Dichloroethene	156-59-2	70	1.1	U	0.56	J	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	10061-01-5	--	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	110-82-7	100	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	96-12-8	0.02	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Dibromochloromethane	124-48-1	1	1.4	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	106-93-4	0.03	2.5	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	95-50-1	600	1.1	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	541-73-1	600	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	106-46-7	75	1.7	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	75-71-8	1000	1.6	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	75-34-3	50	1.3	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	107-06-2	2	2.2	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	75-35-4	1	1.3	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	78-87-5	1	1.8	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	542-75-6	1	ND		ND		ND		ND		ND		ND	
Ethylbenzene	100-41-4	700	1.5	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	591-78-6	40	5.7	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	98-82-8	700	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	79-20-9	7000	3.9	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	1634-04-4	70	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	108-10-1	100	6.5	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	108-87-2	100	3.5	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	75-09-2	3	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	100-42-5	100	2.1	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	79-34-5	1	1.8	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	127-18-4	1	**1300**		**2**		**4.1**		0.25	U	**1.1**		**3.1**	
Toluene	108-88-3	600	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	156-60-5	100	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	10061-02-6	--	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	76-13-1	20000	1.6	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	87-61-6	100	1.8	U	0.36	U +	0.36	U +	0.36	U +	0.36	U +	0.36	U
1,1,1-Trichloroethane	71-55-6	30	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	79-00-5	3	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	79-01-6	1	**2.2**	J	0.64	J	0.93	J	0.31	U	0.31	U	0.33	J
Trichlorofluoromethane	75-69-4	2000	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	120-82-1	9	1.8	U	0.37	U +	0.37	U +	0.37	U +	0.37	U +	0.37	U
Vinyl Chloride	75-01-4	1	0.86	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	179601-23-1	--	1.5	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	95-47-6	--	1.8	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	1330-20-7	1000	3.3	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	SRP170	500	ND	U	ND	U	ND	U	5.3	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-275B_DMPDB36276A_DMPDB8.8		MW-26276B_DMPDB51.8		MW-DMPDB276C_DMPDB8.8		MW-286A_LF9.0		MW-288B_DMPDB41.8	
Date Sampled:			4/13/2023		4/17/2023		4/17/2023		5/10/2023		4/18/2023	
LAB Sample ID:			460278357-1-28		460278636-1-28		460278636-1-27		460278636-1-26		460280294-1-4	460278739-1-34
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.91	J	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U +	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.23	J	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.2		4.4		0.69	J	0.33	U	0.33	U	0.48	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.62	J
cis-1,2-Dichloroethene	*156-59-2*	*70*	4.5		0.22	U	0.22	U	0.22	U	0.25	J	5.4	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	18		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**25**		0.26	U	0.26	U	0.26	U	0.26	U	0.47	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U +	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**4.9**		0.25	U	0.25	U	0.25	U	0.26	J	**160**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U +	0.36	U +
1,1,1-Trichloroethane	*71-55-6*	*30*	2.2		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**13**		0.31	U	0.31	U	0.31	U	0.31	U	**2.5**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.55	J
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U +
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-295A_DMPDB17.5		MW-295C_DMPDB8 0.0(A)		MW-295C_DMPDB8304A_DMPDB17304A_DMPDB17304B_DMPDB37 0.0(B)		MW-.5(A)		MW-.5(B)		MW-.5	
Date Sampled:	4/12/2023		4/12/2023		4/12/2023		4/14/2023		4/14/2023		4/14/2023	
LAB Sample ID:	460278390-1-9		460278390-1-10		460278390-1-11		460278392-1-21		460278392-1-22		460278392-1-20	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	9.9		4.7	J	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	2	J	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	J	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.36	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3		2.3		9.5		0.99	J	1		18	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.56	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.46	J	**27**		**100**		**7.2**		**6.6**		**410**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.27	J
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**1.3**		0.64	J	**2.7**		0.51	J	0.49	J	**8.7**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.54	J	0.17	U	**1.2**		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-304C_DMPDB7 2.5	MW-320C_DMPDB6 2.8	347B_DMPDB4 .8	348B_DMPDB5 .8	1349B_DMPDB4 .8	MW-349C_DMPDB9 1.8
Date Sampled:	4/14/2023	4/18/2023	4/13/2023	4/13/2023	4/14/2023	4/14/2023
LAB Sample ID:	460278392-1-19	460278739-1-29	460278357-1-25	460278357-1-27	460278392-1-14	460278392-1-13
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	1.8	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.2		0.33	U	0.88	J	0.88	J	0.63	J	1.9	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	6.4		0.22	U	1.3		2.4		1.4		5.6	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	5.3		5.8		12		6.8		24	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.33	J	0.7	J	**7**		**15**		**7.1**		**20**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	2		0.22	U	0.22	U	0.22	U	7.3	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**250**		0.25	U	**1.7**		**1.7**		**1.6**		**2.5**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U +	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.81	J	1.5		0.77	J	1.2	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**4.8**		**1.4**		**3.2**		**3.9**		**3.3**		**8.3**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U +	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.21	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-351C_DMPDB6353A_1.8		MW-DMPDB49353B_.25		MW-DMPDB76.3		MW-353C_DMPDB1357A_24.25		MW-DMPDB20357A_.0(A)		MW-DMPDB20.0(B)	
Date Sampled:			4/17/2023		4/19/2023		4/19/2023		5/11/2023		4/20/2023		4/20/2023	
LAB Sample ID:			460278636-1-33		460278753-1-17		460278753-1-16		460280294-1-9		460278752-1-22		460278752-1-23	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U +	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	16		1.6		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.49	J	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.5		0.22	U	0.22	U	7.7		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U +	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**220**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U +	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.52	J	0.31	U	0.31	U	**1.6**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	**7.8**		0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-366B_DMPDB41373B_DMPDB73.80		MW-373C_DMPDB1375A_DMPDB50375A_DMPDB50375B_DMPDB69.75		MW-14.75		MW-.75(A)		MW-.75(B)		MW-.8	
Date Sampled:			4/20/2023		4/13/2023		4/13/2023		4/12/2023		4/12/2023		4/12/2023	
LAB Sample ID:			460278752-1-30		460278357-1-14		460278357-1-15		460278390-1-17		460278390-1-18		460278390-1-19	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	2.4		3.8		0.49	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.7	J	0.22	J	5.2		0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**120**		**170**		**23**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.76	J	0.47	J	**4.7**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.39	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.53	J	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-375C_DMPDB1376B_DMPDB8126.8			MW-376C_DMPDB1377B_DMPDB8619.8			MW-377C_DMPDB1383A_DMPDB1709.8			MW-.5					
Date Sampled:			4/12/2023			4/13/2023			4/13/2023			4/13/2023			4/13/2023		
LAB Sample ID:			460278390-1-20			460278357-1-6			460278357-1-7			460278357-1-12			460278357-1-13		
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison		
Parameter (ug/l)	***CAS No.***	***GWQS***																
Acetone	*67-64-1*	*6000*	22	U		4.4	U		22	U		4.4	U		4.4	U		4.7	J
Benzene	*71-43-2*	*1*	1.0	U		0.20	U		1.0	U		0.20	U		0.20	U		0.20	U
Bromochloromethane	*74-97-5*	*100*	2.1	U		0.41	U		2.1	U		0.41	U		0.41	U		0.41	U
Bromodichloromethane	*75-27-4*	*1*	*1.7*	U		0.34	U		*1.7*	U		0.34	U		0.34	U		0.34	U
Bromoform	*75-25-2*	*4*	2.7	U		0.54	U		2.7	U		0.54	U		0.54	U		0.54	U
Bromomethane	*74-83-9*	*10*	2.8	U		0.55	U		2.8	U		0.55	U		0.55	U		0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	9.3	U		1.9	U		9.3	U		1.9	U		1.9	U		1.9	U
Carbon Disulfide	*75-15-0*	*700*	4.1	U		0.82	U		4.1	U		0.82	U		0.82	U		0.82	U
Carbon tetrachloride	*56-23-5*	*1*	1.0	U		0.21	U		1.0	U		0.21	U		0.21	U		0.21	U
Chlorobenzene	*108-90-7*	*50*	1.9	U		0.38	U		1.9	U		0.38	U		0.38	U		0.38	U
Chloroethane	*75-00-3*	*100*	1.6	U		0.32	U		1.6	U		0.32	U		0.32	U		0.32	U
Chloroform	*67-66-3*	*70*	1.7	J		0.33	U		4.3	J		5.9			1.3			0.33	U
Chloromethane	*74-87-3*	*100*	2.0	U		0.40	U		2.0	U		0.40	U		0.40	U		0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.1	U		0.22	U		1.1	U		0.22	U		0.22	U		0.3	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	1.1	U		0.22	U		1.1	U		0.22	U		0.22	U		0.22	U
Cyclohexane	*110-82-7*	*100*	1.6	U		0.32	U		1.6	U		0.32	U		0.32	U		0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*1.9*	U		*0.38*	U		*1.9*	U		*0.38*	U		*0.38*	U		*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	*1.4*	U		0.28	U		*1.4*	U		0.28	U		0.28	U		0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*2.5*	U		*0.50*	U		*2.5*	U		*0.50*	U		*0.50*	U		*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	1.1	U		0.21	U		1.1	U		0.21	U		0.21	U		0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	1.7	U		0.34	U		1.7	U		0.34	U		0.34	U		0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	1.7	U		0.33	U		1.7	U		0.33	U		0.33	U		0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	1.6	U		0.31	U		1.6	U		0.31	U		0.31	U		0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	1.3	U		0.26	U		1.3	U		0.26	U		0.26	U		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	*2.2*	U		0.43	U		*2.2*	U		0.43	U		0.43	U		0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	*1.3*	U		0.26	U		*1.3*	U		0.26	U		0.26	U		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	*1.8*	U		0.35	U		*1.8*	U		0.35	U		0.35	U		0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND	
Ethylbenzene	*100-41-4*	*700*	1.5	U		0.30	U		1.5	U		0.30	U		0.30	U		0.30	U
2-Hexanone	*591-78-6*	*40*	5.7	U		1.1	U		5.7	U		1.1	U		1.1	U		1.1	U
Isopropylbenzene	*98-82-8*	*700*	1.7	U		0.34	U		1.7	U		0.34	U		0.34	U		0.34	U
Methyl Acetate	*79-20-9*	*7000*	3.9	U		0.79	U		3.9	U		0.79	U		0.79	U		0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.1	U		0.22	U		1.1	U		0.22	U		0.22	U		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	6.5	U		1.3	U		6.5	U		1.3	U		1.3	U		1.3	U
Methylcyclohexane	*108-87-2*	*100*	3.5	U		0.71	U		3.5	U		0.71	U		0.71	U		0.71	U
Methylene chloride	*75-09-2*	*3*	1.6	U		0.32	U		1.6	U		0.32	U		0.32	U		0.32	U
Styrene	*100-42-5*	*100*	2.1	U		0.42	U		2.1	U		0.42	U		0.42	U		0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	*1.8*	U		0.37	U		*1.8*	U		0.37	U		0.37	U		0.37	U
Tetrachloroethene	*127-18-4*	*1*	***2000***			0.33	J		***970***			**130**			**410**			0.25	U
Toluene	*108-88-3*	*600*	1.9	U		0.38	U		1.9	U		0.38	U		0.38	U		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	1.2	U		0.24	U		1.2	U		0.24	U		0.24	U		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	1.1	U		0.22	U		1.1	U		0.22	U		0.22	U		0.22	U
Freon 113	*76-13-1*	*20000*	1.6	U		0.31	U		1.6	U		0.31	U		0.31	U		0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	1.8	U		0.36	U		1.8	U		0.36	U		0.36	U		0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.2	U		0.24	U		1.2	U		0.24	U		0.24	U		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	1.0	U		0.20	U		1.0	U		0.20	U		0.20	U		0.20	U
Trichloroethene	*79-01-6*	*1*	***1.9***	J		0.31	U		*1.6*	U		0.32	J		0.75	J		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	1.6	U		0.32	U		1.6	U		0.32	U		0.32	U		0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	1.8	U		0.37	U		1.8	U		0.37	U		0.37	U		0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.86	U		0.17	U		0.86	U		0.17	U		0.17	U		0.17	U
m,p-Xylene	*179601-23-1*	*--*	1.5	U		0.30	U		1.5	U		0.30	U		0.30	U		0.30	U
o-Xylene	*95-47-6*	*--*	1.8	U		0.36	U		1.8	U		0.36	U		0.36	U		0.36	U
Xylenes (total)	*1330-20-7*	*1000*	3.3	U		0.65	U		3.3	U		0.65	U		0.65	U		0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-391C_DMPDB1 15.0		MW-394C_DMPDB9 8.0		MW-416A_DMPDB3 .8(A)		MW-416A_DMPDB3 .8(B)		MW-416B_DMPDB4 .25		MW-416C_LF105.0	
Date Sampled:			4/17/2023		4/18/2023		4/17/2023		4/17/2023		4/17/2023		5/10/2023	
LAB Sample ID:			460278636-1-3		460278636-1-34		460278636-1-11		460278636-1-12		460278636-1-13		460280294-1-2	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U +
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	24	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U -	0.31	U	0.31	U -	0.31	U -	0.31	U -	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	1.3		1.3		0.52	J	0.47	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U +
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.2		1.1		2.5		2.5		3		3.1	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U +
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	34	JN	ND	U	ND	U	ND	U	ND	U	24	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-453C2_DMPDB 97.5		MW-457C1_DMPDB 75.0		MW-483B_DMPDB57 .5		MW-483C_DMPDB 2.5		MW-7495B_DMPDB45 .5		MW-503C_DMPDB7 0.0	
Date Sampled:			4/20/2023		4/20/2023		4/13/2023		4/13/2023		4/18/2023		4/18/2023	
LAB Sample ID:			460278752-1-26		460278752-1-25		460278357-1-19		460278357-1-20		460278739-1-30		460278739-1-31	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.39	J
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.2		0.82	J	0.33	U	0.65	J	0.33	U	0.65	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.2		6.2		0.22	U	0.77	J	10		8.4	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	3		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.47	J	0.26	U	**3.3**		0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**140**		**280**		0.25	U	**1.2**		**9.8**		**200**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U +	0.36	U +
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.54	J	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**1.3**		**4**		0.31	U	**4.1**		**5.6**		**4**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U +	0.37	U +
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	**2.7**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-505A_DMPDB12506B_DMPDB42.0		MW-505A_DMPDB12506B_DMPDB42.5	
Date Sampled:			4/19/2023		4/19/2023	
LAB Sample ID:			460278753-1-2		460278753-1-3	
LAB:			Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***				
Acetone	*67-64-1*	*6000*	6		4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	14	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.35	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.37	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	1	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	6.4	JN	24.1	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Attachment 1

1,4-Dioxane in Groundwater – 2Q 2023

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:		66RI-MW4_DMPDB13.0		131RI-MW1_DMPDB12.75		138RI-MW1R_DMPDB24.5		187RI-MW2_DMPDB8.67		ART-MW-BR_DMPDB40.60(A)		ART-MW-BR_DMPDB40.60(B)
Date Sampled:		4/18/2023		4/18/2023		4/18/2023		4/13/2023		4/17/2023		4/17/2023
LAB Sample ID:		460278739-1-26		460278739-1-9		460278739-1-10		460278357-1-21		460278636-1-5		460278636-1-6
LAB:		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**0.73**		0.33	U	**0.56**		0.33	U	**0.48**		**0.66**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-2B_DMPDB132.75	DW-2-D2_DMPDB276.8	DW-3B_LF113.75	DW-3-D2_DMPDB286.8	DW-4C_DMPDB138.75	DW-4D_DMPDB446.75
	Date Sampled:	4/13/2023	4/13/2023	5/11/2023	4/14/2023	4/19/2023	4/19/2023
	LAB Sample ID:	460278357-1-5	460278357-1-2	460280294-1-6	460278392-1-2	460278753-1-20	460278753-1-19
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	**0.74**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-6B_DMPDB111.75	DW-6C_DMPDB287.75	DW-6D_DMPDB494.75	DW-7A_DMPDB123.8	DW-7B_DMPDB171.75	DW-7C_DMPDB341.75
	Date Sampled:	4/20/2023	4/20/2023	4/20/2023	4/19/2023	4/19/2023	4/19/2023
	LAB Sample ID:	460278752-1-7	460278752-1-6	460278752-1-5	460278753-1-13	460278753-1-10	460278753-1-7
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.77**	**0.75**	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			DW-7D_DMPDB426.75		DW-8A_DMPDB117.75		DW-8B_DMPDB188.75		DW-8C_DMPDB303.75		DW-9A_DMPDB91.75	DW-11B_DMPDB96.75
Date Sampled:			4/19/2023		4/12/2023		4/12/2023		4/12/2023		4/20/2023	4/19/2023
LAB Sample ID:			460278753-1-8		460278390-1-14		460278390-1-15		460278390-1-13		460278752-1-4	460278753-1-28
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	DW-11D_DMPDB4412A_6.75	DW-13012B_DMPDB182_.75	DW-12CR_DMPDB5_16.8	DW-D2_DMPDB241.14A_8	DW-DMPDB178_.75		
Date Sampled:	4/19/2023	4/17/2023	4/17/2023	4/17/2023	4/13/2023	4/18/2023	
LAB Sample ID:	460278753-1-27	460278636-1-16	460278636-1-15	460278636-1-14	460278357-1-26	460278739-1-11	
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**24**	**7.9**	**4.7**	**2**	***160***	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			DW-16A_DMPDB216.75		DW-16B_DMPDB293.75		DW-16C_DMPDB434.75		DW-17C_DMPDB116.75		DW-24_DMPDB17175	DW-27B_DMPDB291.75
Date Sampled:			4/18/2023		4/18/2023		4/18/2023		4/14/2023		4/19/2023	4/20/2023
LAB Sample ID:			460278739-1-17		460278739-1-16		460278739-1-15		460278392-1-27		460278753-1-32	460278752-1-18
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**41**		**0.45**		**0.79**		0.33	U	0.33	U **5.1**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	DW-27C_DMPDB4228A_1.8		DW-DMPDB18028B_.8		DW-DMPDB30729B_.8		DW-DMPDB286_.75		DW-29C_DMPDB4330B_8.8		DW-DMPDB256_.75	
Date Sampled:	4/20/2023		4/12/2023		4/12/2023		4/12/2023		4/12/2023		4/12/2023	
LAB Sample ID:	460278752-1-17		460278390-1-24		460278390-1-23		460278390-1-21		460278390-1-22		460278390-1-5	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**3.1**		0.33	U	0.33	U	0.33	U	0.33	U	**0.55**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-31C_DMPDB4332A_DMPDB1556.8	DW-32B_LF297.75.75	DW-33A_LF151.8033B_DMPDB275.8	DW-33C_DMPDB416.8		
	Date Sampled:	4/12/2023	4/17/2023	5/11/2023	5/11/2023	4/18/2023	4/18/2023
	LAB Sample ID:	460278390-1-4	460278636-1-19	460280294-1-8	460280294-1-10	460278739-1-21	460278739-1-23
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**11**	**40**	**10**	**31**	**4.9**	**3.1**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-34B_DMPDB28637.75	DW-B_DMPDB29638.8	DW-A_DMPDB17738.8	DW-B_DMPDB24839.8	DW-B_DMPDB292.8	DW-39C_DMPDB492.8
	Date Sampled:	4/18/2023	4/13/2023	4/14/2023	4/14/2023	4/17/2023	4/17/2023
	LAB Sample ID:	460278739-1-3	460278357-1-8	460278392-1-9	460278392-1-8	460278636-1-25	460278636-1-24
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**44**	**0.78**	0.33 U	**3**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-40A_DMPDB13840B_DMPDB246.8	DW-40C_DMPDB396.8	DW-41C_DMPDB4246.8	DW-45A_DMPDB121528	DW-52A_DMPDB126.8
	Date Sampled:	4/14/2023	4/14/2023	4/14/2023	4/20/2023	4/20/2023	4/20/2023
	LAB Sample ID:	460278392-1-12	460278392-1-11	460278392-1-10	460278752-1-3	460278752-1-2	460278752-1-29
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	**0.89**		**1.8**		**13**		**1.1**		**1.6**		**0.47**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-58A_DMPDB21664.8	DW-A_DMPDB236.8	DW-65-73-S2	DW-65-91-S3	DW-65-119-S3	DW-65-145-D1
	Date Sampled:	4/13/2023	4/19/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
	LAB Sample ID:	460278357-1-16	460278753-1-15	460277401-1-12	460277401-1-11	460277401-1-10	460277401-1-9
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.88**	0.33 U	**25**	**28**	***190*** ***140***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

		Sample No.:	DW-65-154-D1	DW-65-176-D1	DW-65-199-D1	DW-65-221-D1	DW-65-262-D2	DW-65-350-D2
		Date Sampled:	3/29/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
		LAB Sample ID:	460277401-1-8	460277401-1-7	460277401-1-6	460277401-1-5	460277401-1-4	460277401-1-3
		LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	***70***	**46**	***86***	***81***	**8.2**	**32**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-67B_LF269.568A_DMPDB202.5	DW-70-83-S3	DW-70-114-S3	DW-70-123-D1	DW-70-150-D1 (A)
	Date Sampled:	5/10/2023	4/17/2023	3/29/2023	3/29/2023	3/29/2023	3/29/2023
	LAB Sample ID:	460280294-1-5	460278636-1-7	460277401-1-20	460277401-1-19	460277401-1-18	460277401-1-16
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**15**	**7.5**	**9.5**	**24**	***41***	**11**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-70-150-D1 (B)	DW-70-174-D1	DW-70-205-D1	DW-70-261-D2	DW-72-120-S3	DW-72-146-S3
	Date Sampled:	3/29/2023	3/29/2023	3/29/2023	3/29/2023	3/30/2023	3/30/2023
	LAB Sample ID:	460277401-1-17	460277401-1-15	460277401-1-14	460277401-1-13	460277401-1-28	460277401-1-27
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**10**	**13**	**1.4**	**41**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	DW-72-167-D1 (A)		DW-72-167-D1 (B)		DW-72-176-D1		DW-72-217-D1		DW-72-237-D1		DW-72-316-D2	
	Date Sampled:	3/30/2023		3/30/2023		3/30/2023		3/30/2023		3/30/2023		3/30/2023	
	LAB Sample ID:	460277401-1-25		460277401-1-26		460277401-1-24		460277401-1-23		460277401-1-22		460277401-1-21	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	IW-157C2_DMPDB95.0	IW-168B_DMPDB43.5	IW-168C1_DMPDB68.5	IW-168C2_DMPDB93.5(A)	IW-168C2_DMPDB197A_DMPDB93.5(B)	IW-26.3(A)
	Date Sampled:	4/20/2023	4/20/2023	4/20/2023	4/20/2023	4/20/2023	4/19/2023
	LAB Sample ID:	460278752-1-27	460278752-1-11	460278752-1-10	460278752-1-8	460278752-1-9	460278753-1-5
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.37 J	**0.98**	**1.6**	**1.3**	**29**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	IW-197A_DMPDB26.3(B)	IW-199B_DMPDB40.6	MW-1G_DMPDB10.75	MW-2B_DMPDB52.5	MW-2G_DMPDB10.75	MW-15A_DMPDB13.25
	Date Sampled:	4/19/2023	4/19/2023	4/18/2023	4/17/2023	4/18/2023	4/18/2023
	LAB Sample ID:	460278753-1-6	460278753-1-4	460278739-1-6	460278636-1-2	460278739-1-5	460278739-1-32
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**27**	**27**	**29**	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-16_DMPDB10.5	MW-22A_DMPDB40.75(A)	MW-22A_DMPDB40.75(B)	MW-24_DMPDB32.0	MW-24C_DMPDB40.0	MW-43_DMPDB21.85
	Date Sampled:	4/17/2023	4/18/2023	4/18/2023	4/12/2023	4/17/2023	4/13/2023
	LAB Sample ID:	460278636-1-23	460278739-1-27	460278739-1-28	460278390-1-12	460278636-1-32	460278357-1-18
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.48**	**14**	**13**	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-44_DMPDB16.0		MW-44B_DMPDB41.75		MW-44C_DMPDB76.75		MW-46_DMPDB58.75(A)		MW-46_DMPDB58.75(B)		MW-58_DMPDB31.75	
Date Sampled:			4/20/2023		4/20/2023		4/20/2023		4/14/2023		4/14/2023		4/12/2023	
LAB Sample ID:			460278752-1-19		460278752-1-20		460278752-1-21		460278392-1-4		460278392-1-5		460278390-1-2	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-80C_DMPDB23.0		MW-102_DMPDB11.10		MW-104B_DMPDB30.1		MW-105A_DMPDB7.9		MW-105B_DMPDB36.0		MW-106A_DMPDB9.4	
	Date Sampled:	4/12/2023		4/20/2023		4/14/2023		4/20/2023		4/20/2023		4/14/2023	
	LAB Sample ID:	460278390-1-16		460278752-1-28		460278392-1-26		460278752-1-13		460278752-1-14		460278392-1-23	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	**22**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-106B_DMPDB31.2(A)		MW-106B_DMPDB31.2(B)		MW-112A_DMPDB6.80		MW-114_DMPDB75.4		MW-114A_DMPDB71.8		MW-117_DMPDB71.25	
Date Sampled:			4/14/2023		4/14/2023		4/14/2023		4/13/2023		4/13/2023		4/18/2023	
LAB Sample ID:			460278392-1-24		460278392-1-25		460278392-1-36		460278357-1-3		460278357-1-4		460278739-1-35	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-120_DMPDB76.1275	MW-124A_DMPDB23.0	MW-124B_DMPDB25.75	MW-126_DMPDB8.5	MW-126B_DMPDB41.8	MW-126C_DMPDB76.8
	Date Sampled:	4/14/2023	4/14/2023	4/14/2023	4/13/2023	4/13/2023	4/13/2023
	LAB Sample ID:	460278392-1-3	460278392-1-34	460278392-1-35	460278357-1-29	460278357-1-30	460278357-1-31
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	**38**	***86***	***85***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-131_DMPDB14.145	MW-131B_DMPDB33.8	MW-131C_DMPDB76.8	MW-136_DMPDB14.10	MW-136B_DMPDB45.0	MW-136C_DMPDB95.5
	Date Sampled:	4/14/2023	4/14/2023	4/14/2023	4/17/2023	4/17/2023	4/17/2023
	LAB Sample ID:	460278392-1-29	460278392-1-30	460278392-1-28	460278636-1-10	460278636-1-9	460278636-1-8
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	***140***	**13**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-143_DMPDB18.65	MW-143B_DMPDB46.8	MW-143C_DMPDB76.8	MW-145A-DMPDB24.3	MW-146A_DMPDB23.3(A)	MW-146A_DMPDB23.3(B)
	Date Sampled:	4/17/2023	4/17/2023	4/17/2023	4/14/2023	4/19/2023	4/19/2023
	LAB Sample ID:	460278636-1-31	460278636-1-29	460278636-1-30	460278392-1-18	460278753-1-23	460278753-1-24
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.43**	0.34 J	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-146B_DMPDB53.75	MW-146C_DMPDB6	148A_DMPDB2	148B_DMPDB4	148B_DMPDB4	MW-170AR_DMPDB
			6.75	.35	.85(A)	.85(B)	15.25
	Date Sampled:	4/19/2023	4/19/2023	4/14/2023	4/14/2023	4/14/2023	4/17/2023
	LAB Sample ID:	460278753-1-22	460278753-1-21	460278392-1-33	460278392-1-31	460278392-1-32	460278636-1-18
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.72**	0.33 U	0.33 U	0.33 U	**0.49**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-170BR_DMPDB35.0	MW-171A_DMPDB26.75	MW-171B_DMPDB46.75	MW-171C_DMPDB6.75	MW-172_DMPDB37.0	MW-174_DMPDB34.75
	Date Sampled:	4/17/2023	4/14/2023	4/14/2023	4/14/2023	4/13/2023	4/20/2023
	LAB Sample ID:	460278636-1-17	460278392-1-16	460278392-1-17	460278392-1-15	460278357-1-17	460278752-1-24
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.48**	**1.2**	**1.4**	**0.76**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-201_DMPDB28.75		MW-201A_DMPDB21.75		MW-201B_DMPDB41.8		MW-201C_DMPDB92.8		MW-204C_DMPDB61.75	MW-6206B_DMPDB76.75
Date Sampled:			4/19/2023		4/19/2023		4/19/2023		4/19/2023		4/18/2023	4/18/2023
LAB Sample ID:			460278753-1-12		460278753-1-11		460278753-1-9		460278753-1-14		460278739-1-33	460278739-1-14
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-206C_DMPDB7 6.75	MW-207A_DMPDB6.75	MW-207B_DMPDB44 .75	MW-207C_DMPDB6 1.75	MW-209A_DMPDB14 .75	MW-209B_DMPDB36 .75
	Date Sampled:	4/18/2023	4/13/2023	4/13/2023	4/13/2023	4/18/2023	4/18/2023
	LAB Sample ID:	460278739-1-13	460278357-1-22	460278357-1-23	460278357-1-24	460278739-1-8	460278739-1-7
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-213B_DMPDB46.75	MW-213C_DMPDB7214A_DMPDB23214B_DMPDB41.75	MW-214C_DMPDB6.75	MW-215C_DMPDB7.75
Date Sampled:	4/19/2023	4/19/2023	4/19/2023	4/19/2023	4/19/2023	4/19/2023
LAB Sample ID:	460278753-1-38	460278753-1-39	460278753-1-36	460278753-1-35	460278753-1-37	460278753-1-29
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	**6.6**		**4.4**		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-216C_DMPDB71.75	MW-222_DMPDB71.75	MW-222C_DMPDB253.75	MW-226C_LF76.75	MW-230C_DMPDB6236.75	MW-6B_DMPDB34.75
	Date Sampled:	4/19/2023	4/19/2023	4/19/2023	5/10/2023	4/18/2023	4/20/2023
	LAB Sample ID:	460278753-1-18	460278753-1-31	460278753-1-30	460280294-1-3	460278739-1-25	460278752-1-16
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.48**	0.33 U	**0.66**	**12**	**8.1**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-236C_DMPDB54.75	MW-237A_LF27.5	MW-237C_DMPDB111.75	MW-238C_DMPDB76.75	MW-243B_DMPDB4.5	MW-48257A_DMPDB27.0
	Date Sampled:	4/20/2023	5/11/2023	4/12/2023	4/20/2023	4/17/2023	4/19/2023
	LAB Sample ID:	460278752-1-15	460280294-1-7	460278390-1-3	460278752-1-12	460278636-1-4	460278753-1-25
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	*0.67* U	**3.5**	**2.1**	0.33 U	**0.9**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-257B_DMPDB46.75		MW-258B_DMPDB80.75		MW-258C_DMPDB106.75		MW-259BR_DMPDB42.5		MW-260C_DMPDB62.0	MW-260-S3_DMPDB121.8
Date Sampled:			4/19/2023		4/19/2023		4/19/2023		4/18/2023		4/13/2023	4/13/2023
LAB Sample ID:			460278753-1-26		460278753-1-34		460278753-1-33		460278739-1-12		460278357-1-11	460278357-1-10
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	**2**		0.33	U	**0.62**		0.33	U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-265B_DMPDB41.75	MW-265C_DMPDB9266A_DMPDB1.8	MW-34266B_DMPDB61.75	MW-.95	MW-266C_DMPDB8267A_DMPDB6.85	MW-47.75
	Date Sampled:	4/12/2023	4/12/2023	4/17/2023	4/17/2023	4/17/2023	4/18/2023
	LAB Sample ID:	460278390-1-6	460278390-1-7	460278636-1-21	460278636-1-22	460278636-1-20	460278739-1-4
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**0.55**	0.33 U	**4.5**	**22**	0.36 J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-267B_DMPDB96.75	MW-269A_DMPDB55.0	MW-269C_DMPDB1221.8	MW-270A_DMPDB59.5	MW-271A_DMPDB56.8	MW-271B_DMPDB91.8
	Date Sampled:	4/18/2023	4/14/2023	4/14/2023	4/13/2023	4/12/2023	4/12/2023
	LAB Sample ID:	460278739-1-2	460278392-1-6	460278392-1-7	460278357-1-9	460278390-1-26	460278390-1-25
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-271C_DMPDB1		273B_DMPDB41		MW-273C-DMPDB92.8		0274A_DMPDB11		274B_DMPDB56		MW-274C_DMPDB91.8	
Date Sampled:			4/12/2023		4/18/2023		4/18/2023		4/18/2023		4/18/2023		4/18/2023	
LAB Sample ID:			460278390-1-27		460278739-1-22		460278739-1-24		460278739-1-20		460278739-1-19		460278739-1-18	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-275B_DMPDB36.8	MW-276A_DMPDB26.8	MW-276B_DMPDB51.8	MW-276C_DMPDB86.8	MW-286A_LF9.0	MW-288B_DMPDB41.8
Date Sampled:	4/13/2023	4/17/2023	4/17/2023	4/17/2023	5/10/2023	4/18/2023
LAB Sample ID:	460278357-1-28	460278636-1-28	460278636-1-27	460278636-1-26	460280294-1-4	460278739-1-34
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
1,4-Dioxane	*123-91-1*	*0.4*	**28**		0.33	U	0.33	U	0.33	U	0.33	U	**0.62**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-295A_DMPDB17.5		MW-295C_DMPDB8.0(A)		MW-295C_DMPDB8.0(B)		MW-304A_DMPDB17.5(A)		MW-304A_DMPDB17.5(B)		MW-304B_DMPDB37.5	
	Date Sampled:	4/12/2023		4/12/2023		4/12/2023		4/14/2023		4/14/2023		4/14/2023	
	LAB Sample ID:	460278390-1-9		460278390-1-10		460278390-1-11		460278392-1-21		460278392-1-22		460278392-1-20	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	**1.8**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-304C_DMPDB7 2.5	MW-320C_DMPDB6 2.8	MW-347B_DMPDB4 .8	MW-348B_DMPDB5 .8	MW-349B_DMPDB4 .8	MW-349C_DMPDB9 1.8
	Date Sampled:	4/14/2023	4/18/2023	4/13/2023	4/13/2023	4/14/2023	4/14/2023
	LAB Sample ID:	460278392-1-19	460278739-1-29	460278357-1-25	460278357-1-27	460278392-1-14	460278392-1-13
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**1.6**	***140***	**1.2**	**2.3**	**6**	***200***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-351C_DMPDB6 1.8		MW-353A_DMPDB4 .25		MW-353B_DMPDB7 .3		MW-353C_DMPDB1 24.25		MW-357A_DMPDB2 .0(A)		MW-357A_DMPDB2 .0(B)	
Date Sampled:	4/17/2023		4/19/2023		4/19/2023		5/11/2023		4/20/2023		4/20/2023	
LAB Sample ID:	460278636-1-33		460278753-1-17		460278753-1-16		460280294-1-9		460278752-1-22		460278752-1-23	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.34	J	0.33	U	0.33	U	0.33	U	**2.7**		**2.7**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:			MW-366B_DMPDB41.80		MW-373B_DMPDB73.75		MW-373C_DMPDB1.75		MW-375A_DMPDB50.75(A)		MW-375A_DMPDB50.75(B)		MW-375B_DMPDB69.8	
Date Sampled:			4/20/2023		4/13/2023		4/13/2023		4/12/2023		4/12/2023		4/12/2023	
LAB Sample ID:			460278752-1-30		460278357-1-14		460278357-1-15		460278390-1-17		460278390-1-18		460278390-1-19	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-375C_DMPDB1326.8	MW-376B_DMPDB810	MW-376C_DMPDB1319.8	MW-377B_DMPDB868	MW-377C_DMPDB1309.8	MW-383A_DMPDB175
	Date Sampled:	4/12/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/12/2023
	LAB Sample ID:	460278390-1-20	460278357-1-6	460278357-1-7	460278357-1-12	460278357-1-13	460278390-1-8
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-391C_DMPDB115.0	MW-394C_DMPDB98.0	MW-416A_DMPDB3.8(A)	MW-416A_DMPDB3.8(B)	MW-416B_DMPDB4.25	MW-416C_LF105.0
	Date Sampled:	4/17/2023	4/18/2023	4/17/2023	4/17/2023	4/17/2023	5/10/2023
	LAB Sample ID:	460278636-1-3	460278636-1-34	460278636-1-11	460278636-1-12	460278636-1-13	460280294-1-2
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	***210***	***220***	**2.6**	**3.1**	**16**	***310***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

Sample No.:	MW-453C2_DMPDB97.5	MW-457C1_DMPDB75.0	MW-483B_DMPDB57.5	MW-483C_DMPDB72.5	MW-495B_DMPDB45.5	MW-503C_DMPDB70.0
Date Sampled:	4/20/2023	4/20/2023	4/13/2023	4/13/2023	4/18/2023	4/18/2023
LAB Sample ID:	460278752-1-26	460278752-1-25	460278357-1-19	460278357-1-20	460278739-1-30	460278739-1-31
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**0.48**		0.33	U	**1.1**		**0.78**		**0.96**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2Q 2023

	Sample No.:	MW-505A_DMPDB12506B_DMPDB42.0	MW-505A_DMPDB12506B_DMPDB42.5	
	Date Sampled:	4/19/2023	4/19/2023	
	LAB Sample ID:	460278753-1-2	460278753-1-3	
	LAB:	Eurofins Edison	Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***		
1,4-Dioxane	*123-91-1*	*0.4*	**47**	***160***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Attachment 1

Volatile Organic Compounds (VOCs) in Groundwater – 1Q 2024

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:		66RI-MW4_DMPDB7.0		131RI-MW1_DMPDB4.0		138RI-MW1R_DMPDB24.5		187RI-MW2_DMPDB8.7		ART-MW-6BR_DMPDB40.0		DW-2B_DMPDB132.75	
	Date Sampled:		3/28/2024		3/28/2024		4/25/2024		3/27/2024		3/28/2024		3/26/2024	
	LAB Sample ID:		460301132-1-7		460301132-1-8		460302858-1-5		460301128-1-21		460301132-1-28		460301124-1-38	
	LAB:		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	20	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	**4.4**		**3.7**		0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	3.9		0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.94	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.41	J
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.3		0.59	J	0.4	J	0.88	J	0.22	U	0.29	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	5.9		1.8		0.26	U	2.6		0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**8.9**		**1.3**		0.56	J	0.76	J	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.58	J	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	22		0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	5.1		0.26	J	0.22	U	1.9		0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.39	J
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.89	J	0.99	J	**6.2**		0.25	U	0.25	U	**4.4**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U -	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.1		0.6	J	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.8	J	0.45	J	**1.3**		0.31	U	0.31	U	**16**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U -	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.26	J	0.19	J	0.17	U	0.95	J	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	**546.6**	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	DW-6B_DMPDB111.75		DW-6C_DMPDB287.75		DW-6D_DMPDB494.75(A)		DW-6D_DMPDB494.75(B)		DW-7A_DMPDB123.8		DW-7B_DMPDB171.75	
Date Sampled:	4/2/2024		4/2/2024		4/2/2024		4/2/2024		3/29/2024		3/29/2024	
LAB Sample ID:	460301626-1-16		460301626-1-17		460301626-1-18		460301626-1-19		460301241-1-13		460301241-1-14	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	11		5.8		4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U + 1	0.55	U + 1	0.55	U + 1	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.64	J	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	4.3		15		2.1		2.3		41		0.74	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**52**		0.58	J	**7.8**		**8.1**		**2.4**		**140**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.35	J	0.24	U	0.24	U	1.6		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**2.8**		0.42	J	0.9	J	0.94	J	0.76	J	0.83	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.27	J	**7.7**		0.3	J	0.38	J	**17**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			DW-7C_DMPDB341.75		DW-7D_DMPDB426.75(A)		DW-7D_DMPDB426.75(B)		DW-8A_DMPDB117.75		DW-8B_DMPDB188.75		DW-8C_DMPDB303.75	
Date Sampled:			4/25/2024		3/29/2024		3/29/2024		3/25/2024		3/25/2024		3/25/2024	
LAB Sample ID:			460302858-1-3		460301241-1-11		460301241-1-12		460301001-1-16		460301001-1-17		460301001-1-18	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	7.8		5.7		10		6.4		8.8	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.41	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.82	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.69	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	1.1	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	1.1	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	3.7	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	1.6	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.42	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.75	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.64	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.65	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.80	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	65		0.34	J	0.22	U	**110**		45		**680**	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.44	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.64	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.75*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.56	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*1.0*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.42	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.68	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.67	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.62	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.53	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.86	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	**1.7**	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.71	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.42	J	0.60	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	2.3	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.67	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	1.6	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.43	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	2.6	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	1.4	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.38	J	0.32	U	0.84	J B
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.83	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.73	U
Tetrachloroethene	*127-18-4*	*1*	**1.6**		**22**		**22**		**5.5**		**26**		**14**	
Toluene	*108-88-3*	*600*	1		0.38	U	0.38	U	0.38	U	1.2		0.76	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.36	J	0.24	U	0.8	J	0.4	J	2.7	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.45	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.62	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.71	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.48	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.41	U
Trichloroethene	*79-01-6*	*1*	**1.5**		0.72	J	0.61	J	1		**3.5**		**18**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.64	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.73	U
Vinyl Chloride	*75-01-4*	*1*	0.2	J	0.27	J	0.17	U	0.17	U	0.48	J	0.94	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	1.1		0.59	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.52	J	0.72	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	1.62	J	1.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:		DW-9A_DMPDB91.75		DW-11B_DMPDB96.75		DW-11D_DMPDB4412B_DMPDB6.75		DW-12CR_DMPDB182.75		DW-12CR_DMPDB516.8(A)		DW-12CR_DMPDB516.8(B)	
	Date Sampled:		4/25/2024		4/2/2024		4/2/2024		4/1/2024		4/1/2024		4/1/2024	
	LAB Sample ID:		460302858-1-9		460301626-1-9		460301626-1-10		460301514-1-8		460301514-1-9		460301514-1-10	
	LAB:		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	63		4.8	J	4.4	U	9.9		7.9	
Benzene	*71-43-2*	*1*	0.20	U	0.26	J	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U -	0.54	U -
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	3.8	J	2.6	J
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.38	J	0.22	U	0.22	U	0.27	J	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.74	J	0.36	J
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.59	J	0.34	J
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U 1	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.42	J	0.3	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.88	J	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**97**		0.25	U	0.25	U	0.68	J	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.54	J	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.74	J	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	4		2.2	
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	6.2		3.4	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	10.2		5.6	
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	5.5	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			DW-13-D2_DMPDB241.14A_DMPDB17816A_DMPDB21616B_DMPDB293										DW-16C_DMPDB43			DW-17C_DMPDB11		
			8			.75			.75			.75			4.75			6.75	
Date Sampled:			3/27/2024			3/28/2024			3/28/2024			3/28/2024			3/28/2024			3/26/2024	
LAB Sample ID:			460301128-1-15			460301132-1-9			460301132-1-17			460301132-1-15			460301132-1-16			460301124-1-17	
LAB:			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison			Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***																
Acetone	*67-64-1*	*6000*	4.4	U		6.8			4.4	U		14			21			7	
Benzene	*71-43-2*	*1*	0.20	U		0.20	U		0.21	J		0.20	U		0.33	J		0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U		0.41	U		0.41	U		0.41	U		0.41	U		0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Bromoform	*75-25-2*	*4*	0.54	U		0.54	U		0.54	U		0.54	U		0.54	U		0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U		0.55	U		0.55	U		0.55	U		0.55	U		0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U		1.9	U		1.9	U		1.9	U		1.9	U		1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U		0.85	J		0.82	U		0.82	U		0.82	U		0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U		1.1			0.38	U		0.38	U		0.38	U		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U		0.32	U		1			0.32	U		0.32	U		0.32	U
Chloroform	*67-66-3*	*70*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U		0.40	U		0.40	U		0.40	U		0.40	U		0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U		0.22	U		17			0.22	U		0.47	J		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U		*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U		0.28	U		0.28	U		0.28	U		0.28	U		0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U		*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U		0.21	U		0.21	U		0.21	U		0.21	U		0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U		0.33	U		0.33	U		0.33	U		0.33	U		0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U		0.28	J		**100**			0.26	U		0.26	U		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U		0.43	U		0.85	J		0.43	U		0.43	U		0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U		0.26	U		**140**			0.26	U		0.26	U		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U		0.35	U		0.35	U		0.35	U		0.35	U		0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND			ND			ND			ND			ND			ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U		1.1	U		1.1	U		1.1	U		1.1	U		1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U		0.34	U		0.34	U		0.34	U		0.34	U		0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U		0.79	U		0.79	U		0.79	U		0.79	U		0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U		0.73	J		24			0.22	U		0.22	U		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U		1.3	U		1.3	U		1.3	U		1.3	U		1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U		0.71	U		0.71	U		0.71	U		0.71	U		0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.4	J
Styrene	*100-42-5*	*100*	0.42	U		0.42	U		0.42	U		0.42	U		0.42	U		0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U		0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U		0.25	U		**5.8**			0.25	U		0.25	U		0.25	U
Toluene	*108-88-3*	*600*	0.38	U		0.38	U		0.38	U		0.38	U		0.38	U		0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U		0.24	U		0.24	U		0.24	U		0.24	U		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U		0.22	U		0.22	U		0.22	U		0.22	U		0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U		0.31	U		0.31	U		0.31	U		0.31	U		0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	-	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U		0.24	U		1.5			0.24	U		0.24	U		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U		0.20	U		0.20	U		0.20	U		0.20	U		0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U		0.31	U		**11**			0.31	U		0.31	U		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U		0.32	U		0.32	U		0.32	U		0.32	U		0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	-	0.37	U		0.37	U		0.37	U		0.37	U		0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U		0.17	U		**2.7**			0.17	U		0.17	U		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U		0.30	U		0.30	U		0.30	U		0.30	U		0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U		0.36	U		0.36	U		0.36	U		0.36	U		0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U		0.65	U		0.65	U		0.65	U		0.65	U		0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U		ND	U		ND	U		ND	U		ND	U		ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	DW-24_DMPDB171.75		DW-27B_DMPDB291.75		DW-27C_DMPDB421.8(A)		DW-27C_DMPDB4228A_1.8(B)		DW-DMPDB18028B_.8		DW-DMPDB307.8	
Date Sampled:	3/29/2024		4/25/2024		3/27/2024		3/27/2024		3/25/2024		3/25/2024	
LAB Sample ID:	460301241-1-17		460302858-1-4		460301128-1-23		460301128-1-24		460301001-1-30		460301001-1-31	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	9.2		4.4	U	4.4	U	6.8		4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	2.9		3.2	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.52	J
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.43	J	0.36	J	0.56	J	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.51	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	1.7	
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U +	0.79	U +
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	**19**		0.78	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	2.8	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	1	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U -	0.36	U -	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	**1.3**		**38**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U -	0.37	U -	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	2.8	
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	3.1	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	5.9	
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	DW-29B_DMPDB286.75	DW-29C_DMPDB4330B_DMPDB256.75	DW-31C_DMPDB4332A_DMPDB156.75	DW-32B_LF297.75
Date Sampled:	3/25/2024	3/25/2024	3/25/2024	3/19/2024
LAB Sample ID:	460301001-1-23	460301001-1-22	460301001-1-12	460301001-1-10	460301001-1-4	460300822-1-9
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	8.4		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	3.8	J	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U 1	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.41	J	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.9	
Chloroform	*67-66-3*	*70*	0.49	J	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	68		0.22	U	0.22	U	1.1	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.51	J	0.56	J	0.32	U	0.32	U 1	0.32	U +
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U 1	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U 1	0.31	U 1	0.31	U	0.31	U	0.31	U 1	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U +	0.26	U +	0.26	U	0.26	U	2.3		17	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.45	J	0.26	U	**1.1**		**4.8**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.86	J	0.30	U	0.45	J	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U 1	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	0.79	U +	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.64	J	2.7		17	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U 1	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U 1	0.71	U +
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**19**		0.39	J	**5.9**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	4.2		0.38	U	1.8		3.9		0.38	U	0.43	J
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.49	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U 1	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U 1	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.52	J	**1.2**		**4.5**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.71	J
m,p-Xylene	*179601-23-1*	*--*	1		0.30	U	0.4	J	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	1.1		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	2.1		0.65	U	0.4	J	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-33A_LF151.8	033B_DMPDB275.8	DW-33C_DMPDB4134B_DMPDB28637B_DMPDB29638A_DMPDB177.8											
	Date Sampled:	3/18/2024		3/28/2024		3/28/2024		4/25/2024		4/1/2024		4/1/2024			
	LAB Sample ID:	460300822-1-5		460301132-1-2		460301132-1-3		460302858-1-2		460301514-1-14		460301514-1-15			
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison			
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*	4.4	U	13		12		4.4	U	5		4.4	J	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	**1.1**		0.20	U	0.20	U	0.20	U	
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U -	0.54	U -	
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	4	J	1.9	U	1.9	U	1.9	U	
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	
Chloroform	*67-66-3*	*70*	1.3		0.33	U	0.33	U	3.5		0.33	U	0.33	U	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	
cis-1,2-Dichloroethene	*156-59-2*	*70*	14		0.7	J	0.32	J	7.6		0.69	J	0.24	J	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	
Cyclohexane	*110-82-7*	*100*	0.32	U +	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	
1,1-Dichloroethane	*75-34-3*	*50*	**93**		1		0.53	J	38		0.26	U	0.26	U	
1,2-Dichloroethane	*107-06-2*	*2*	0.69	J	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	
1,1-Dichloroethene	*75-35-4*	*1*	**130**		0.75	J	0.26	U	**140**		0.26	U	0.26	U	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND		
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.57	J	0.30	U	0.30	U	0.30	U	
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.3		0.66	J	0.22	U	0.22	U	0.22	U	0.22	U	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	
Methylcyclohexane	*108-87-2*	*100*	0.71	U +	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.34	J B	0.32	U	
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	
Tetrachloroethene	*127-18-4*	*1*	**10**		0.25	U	0.25	U	**16**		**8.5**		**1.2**		
Toluene	*108-88-3*	*600*	0.38	U	1.1		2.5		0.38	U	0.38	U	0.38	U	
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	
Freon 113	*76-13-1*	*20000*	0.79	J	0.31	U	0.31	U	2.3		0.31	U	0.31	U	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	J	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	
1,1,1-Trichloroethane	*71-55-6*	*30*	9.8		0.24	U	0.24	U	3.6		0.24	U	0.24	U	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.41	J	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	
Trichloroethene	*79-01-6*	*1*	**12**		1		0.31	U	**19**		**4.7**		**2.8**		
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	
Vinyl Chloride	*75-01-4*	*1*	**2.5**		0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.71	J	0.30	U	0.30	U	0.30	U	
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.47	J	0.36	U	0.36	U	0.36	U	
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	1.18	J	0.65	U	0.65	U	0.65	U	
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	22	JN	ND	U	ND	U	ND	U	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	DW-38B_DMPDB24.8	DW-39B_DMPDB292.8	DW-39C_DMPDB4940A2.8	DW-40A_DMPDB13840B.8	DW-40B_DMPDB246.8	DW-40C_DMPDB396.8
Date Sampled:	4/1/2024	3/26/2024	3/26/2024	3/27/2024	3/27/2024	3/27/2024
LAB Sample ID:	460301514-1-16	460301124-1-30	460301124-1-31	460301128-1-5	460301128-1-6	460301128-1-7
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	8.4		4.4	U	4.4	U	19	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U -	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U 1	0.21	U 1	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	1.3		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	J	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U +	0.79	U +	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**34**		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.58	J
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U 1	0.31	U 1	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U -	0.36	U -	0.36	U -
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**2.4**		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U -
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	283	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	DW-41C_DMPDB4245A_DMPDB12152A_DMPDB12658A_DMPDB216.8		DW-41C_DMPDB4245A_DMPDB12152A_DMPDB12658A_DMPDB216.8		DW-41C_DMPDB4245A_DMPDB12152A_DMPDB12658A_DMPDB216.8		DW-41C_DMPDB4245A_DMPDB12152A_DMPDB12658A_DMPDB216.8		DW-65-73-S2		DW-65-91-S3	
Date Sampled:	4/2/2024		4/2/2024		4/1/2024		3/29/2024		3/20/2024		3/20/2024	
LAB Sample ID:	460301626-1-20		460301626-1-21		460301514-1-37		460301241-1-20		460300967-1-12		460300967-1-11	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.5	J	4.4	U	4.4	U	8.9		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.27	J	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U + 1	0.55	U + 1	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	3.3		2.1	
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	11		9.5		3.3		1.6		0.78	J	0.25	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.67	J	0.46	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	1.9		1.2	
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	**4.6**		**1.4**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.62	J	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	**150**		**380**	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U +	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2.8**		0.25	U	**2.9**		**13**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	1.2		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.26	J	0.95	J	0.35	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**3.3**		0.75	J	**1.1**		**1.2**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.37	J	**5.6**		0.54	J	0.17	U	**3.1**		0.79	J
m,p-Xylene	*179601-23-1*	*--*	2.3		0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	1.1		0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	3.4		0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	22.1	JN	13	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

			Sample No.:	DW-65-119-S3		DW-65-145-D1		DW-65-154-D1		DW-65-176-D1		DW-65-199-D1		DW-65-221-D1	
			Date Sampled:	3/20/2024		3/20/2024		3/20/2024		3/20/2024		3/20/2024		3/20/2024	
			LAB Sample ID:	460300967-1-10		460300967-1-9		460300967-1-8		460300967-1-7		460300967-1-6		460300967-1-5	
			LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***													
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.25	J	0.21	J
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	9.1		0.43	J
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.34	J	0.33	U	0.33	U	0.45	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.4	J	6.4		1.4	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.45	J	0.66	J	1.1		3.2		0.54	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.42	J	0.9	J	0.94	J	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.9		1.7		3.4		0.22	U	1.3		0.95	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.79	J	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.59	J	0.42	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.55	J	0.74	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	30.4	JN	39	JN	ND	U	ND	U	34.5	JN	49	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-65-262-D2		DW-65-350-D2		DW-67B_LF269.568A_DMPDB202.5		DW-70-83-S3		DW-70-114-S3	
	Date Sampled:	3/20/2024		3/20/2024		3/19/2024		3/28/2024		3/20/2024		3/20/2024	
	LAB Sample ID:	460300967-1-4		460300967-1-3		460300822-1-6		460301132-1-22		460300967-1-20		460300967-1-19	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.22	J	0.26	J	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.87	J
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	0.93	J	1.8	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	12		0.52	J	11		0.31	J	5.6		12	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U +	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.97	J
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.38	J
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	1	
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	2.7		0.84	J	3.2		0.26	J	9		31	
1,2-Dichloroethane	*107-06-2*	*2*	**38**		0.62	J	**17**		0.43	U	1.4		**5.1**	
1,1-Dichloroethene	*75-35-4*	*1*	**3.8**		0.26	U	**2.5**		0.26	U	**18**		**69**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	8.4		0.22	U	11		0.38	J	1.2		4.8	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U +	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**3.6**		0.25	U	**2**		0.25	U	**6.4**		**20**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.31	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.69	J	0.31	U	0.46	J	0.31	U	8.9		15	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.48	J	0.5	J
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.2	J
Trichloroethene	*79-01-6*	*1*	**21**		0.39	J	**7**		0.31	U	**49**		**74**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.25	J	0.17	U	**1.4**		0.17	U	0.17	U	0.2	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	1.1		0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	1.7		0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	2.8		0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-70-123-D1		DW-70-150-D1 (A)		DW-70-150-D1 (B)		DW-70-174-D1		DW-70-205-D1		DW-70-261-D2	
	Date Sampled:	3/20/2024		3/20/2024		3/20/2024		3/20/2024		3/20/2024		3/20/2024	
	LAB Sample ID:	460300967-1-18		460300967-1-16		460300967-1-17		460300967-1-15		460300967-1-14		460300967-1-13	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.25	J	0.2	J	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	1.7		12		11		0.38	U	0.38	U	4.7	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.44	J	0.55	J	0.7	J	1.9		0.33	U	0.38	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	5.8		3.7		3.4		3.9		0.36	J	5.7	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	8.7		78		82		0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	2		19		18		0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	7.5		69		70		0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	28		21		18		21		0.8	J	4.8	
1,2-Dichloroethane	*107-06-2*	*2*	1.5		0.51	J	0.55	J	0.45	J	0.43	U	**3.9**	
1,1-Dichloroethene	*75-35-4*	*1*	**73**		**45**		**28**		**40**		**1.9**		**6.3**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	3.6		1.4		1.7		0.36	J	0.22	U	2.3	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2.3**		**4.5**		**3.3**		**5.5**		0.59	J	**3.5**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	1.3		0.74	J	0.68	J	1.6		0.31	U	1.1	
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.68	J	4.5		8.9		0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1		1.3		0.86	J	0.91	J	0.24	U	0.25	J
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**12**		**6.9**		**5.5**		**7.3**		0.66	J	**15**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.71	J	6.8		**9.7**		0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-72-120-S3		DW-72-146-S3		DW-72-167-D1 (A)		DW-72-167-D1 (B)		DW-72-176-D1		DW-72-217-D1	
	Date Sampled:	3/21/2024		3/21/2024		3/21/2024		3/21/2024		3/21/2024		3/21/2024	
	LAB Sample ID:	460300967-1-28		460300967-1-27		460300967-1-25		460300967-1-26		460300967-1-24		460300967-1-23	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U 1	0.54	U 1	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U - 1	0.55	U - 1	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1		0.33	U	0.39	J	0.37	J	1		0.51	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.24	J	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U + 1	*0.38*	U + 1	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**6.6**		**42**		**9.7**		**11**		**100**		**8.6**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.5	J	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U +	0.36	U +	0.36	U	0.36	U	0.36	U	0.36	U +
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.38	J	**8.7**		0.36	J	0.43	J	0.47	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U +	0.37	U +	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			DW-72-237-D1		DW-72-316-D2		IW-157C2_DMPDB95.0		IW-168B_DMPDB43.5		IW-168C1_DMPDB68.5		IW-168C2_DMPDB93.5	
Date Sampled:			3/21/2024		3/21/2024		4/1/2024		4/1/2024		4/1/2024		4/1/2024	
LAB Sample ID:			460300967-1-22		460300967-1-21		460301514-1-34		460301514-1-22		460301514-1-23		460301514-1-24	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	6		4.4	U	18		4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.95	J	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	4.8		0.22	U	11		3.6		**88**	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.3	J	0.26	U	0.26	U	0.26	U	0.32	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U +	0.37	U +	0.37	U +	0.37	U +
Tetrachloroethene	*127-18-4*	*1*	**44**		**1.3**		0.25	U	**2.3**		**1.2**		**110**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	11		0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U +	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**180**		0.31	U	**4.8**		0.75	J	**53**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.51	J	0.51	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			IW-197A_DMPDB26.3		IW-199B_DMPDB40.6		MW-1G_DMPDB10.75		MW-2B_DMPDB52.2		MW-2G_DMPDB10.75		MW-15A_DMPD13.25	
Date Sampled:			3/28/2024		3/28/2024		3/26/2024		3/27/2024		3/26/2024		4/1/2024	
LAB Sample ID:			460301132-1-23		460301132-1-24		460301124-1-3		460301128-1-30		460301124-1-2		460301514-1-29	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	8		7		4.4	U	30		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	5		27		0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.53	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.25	J	2.1		0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.42	J	0.26	U	6.4		0.26	U	0.67	J	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**6.5**		0.26	U	0.68	J	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.27	J	4.1		0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	J	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U +
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	**1.4**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U -	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.45	J	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	**4**		0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	22	JN	ND	U	ND	U	ND	U	5.7	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-16_DMPDB10.5 (A)		MW-16_DMPDB10.5 (B)		MW-22A_DMPDB40.75		MW-24_DMPDB32.0		MW-24C_DMPDB40.0		MW-43_DMPDB21.85	
	Date Sampled:	3/25/2024		3/25/2024		4/1/2024		3/25/2024		4/1/2024		3/27/2024	
	LAB Sample ID:	460301001-1-7		460301001-1-8		460301514-1-11		460301001-1-14		460301514-1-6		460301128-1-22	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	7.7		4.4	U	8.9		4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.22	J	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U -	0.54	U	0.54	U -	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U 1	0.21	U	0.21	U	0.21	U	**2.4**		0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	1.4		0.38	U	1.6		0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	7.9		0.8	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.54	J	26		**350**		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U 1	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U 1	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	1.5		0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.34	J	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U 1	0.31	U	0.31	U	0.31	U 1	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.91	J	0.26	U +	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.62	J	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.28	J	0.26	U	**1.8**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U 1	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U +	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	3		0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U 1	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U 1	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.37	J B	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**6.4**		**53**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.28	J	1.4		0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U 1	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U -
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U 1	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**8.8**		**16**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U -
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.23	J	0.69	J	**13**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	6.7	JN	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			MW-44_DMPDB16.0		MW-44B_DMPDB41.75		MW-44C_DMPDB76.75		MW-46_DMPDB58.75(A)		MW-46_DMPDB58.75(B)		MW-58_DMPDB31.75	
Date Sampled:			3/27/2024		3/27/2024		3/27/2024		4/1/2024		4/1/2024		3/25/2024	
LAB Sample ID:			460301128-1-25		460301128-1-26		460301128-1-27		460301514-1-19		460301514-1-20		460301001-1-2	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U -	0.54	U -	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U 1
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.5	J	1.3		0.74	J	0.65	J	0.58	J	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U 1
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U 1
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U 1
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U 1
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U 1
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U 1
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U -	0.36	U -	0.36	U -	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U 1
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U -	0.37	U -	0.37	U -	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			MW-80C_DMPDB23.0		MW-102_DMPDB11.10		104B_DMPDB30.1		105A_DMPDB7.9		105B_DMPDB36.0		MW-106A_DMPDB9.4	
Date Sampled:			3/25/2024		4/1/2024		3/26/2024		3/27/2024		3/27/2024		3/26/2024	
LAB Sample ID:			460301001-1-15		460301514-1-35		460301124-1-16		460301128-1-11		460301128-1-12		460301124-1-15	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	8.8	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.41	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.82	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.69	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	1.1	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	1.1	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	3.7	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	1.6	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.42	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.75	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1.3	J	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.80	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**410**		0.98	J	0.25	J	0.22	U	0.22	U	2	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.44	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.75*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.56	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*1.0*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.42	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.68	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.67	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.62	U	0.36	J	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.53	U	0.26	U	0.26	U	0.26	U	0.26	U	4.8	
1,2-Dichloroethane	*107-06-2*	*2*	0.86	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.91	J	0.26	U	0.26	U	0.26	U	0.26	U	**1.6**	
1,2-Dichloropropane	*78-87-5*	*1*	0.71	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.60	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	2.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.67	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	1.6	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.43	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	2.6	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	1.4	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.63	U	0.32	U	0.32	U	0.32	U	0.32	U	0.34	J
Styrene	*100-42-5*	*100*	0.83	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.73	U	0.37	U +	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**28**		**9.8**		0.25	U	0.25	U	0.25	U	0.75	J
Toluene	*108-88-3*	*600*	0.76	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	2.1		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.45	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.71	U	0.36	U	0.36	U	0.36	U -	0.36	U -	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.48	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.41	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**11**		0.57	J	0.31	U	0.31	U	0.31	U	**1.4**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.73	U	0.37	U	0.37	U	0.37	U -	0.37	U -	0.37	U
Vinyl Chloride	*75-01-4*	*1*	**2.1**		0.17	U	0.17	U	0.17	U	0.17	U	0.68	J
m,p-Xylene	*179601-23-1*	*--*	0.59	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.72	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	1.3	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-106B_DMPDB31.2		MW-112A_DMPDB6.80		MW-114_DMPDB75.4		MW-114A_DMPDB71.8		MW-117_DMPDB71.25		MW-120_DMPDB76.75	
Date Sampled:	3/26/2024		3/26/2024		3/26/2024		3/26/2024		4/1/2024		4/2/2024	
LAB Sample ID:	460301124-1-14		460301124-1-26		460301124-1-36		460301124-1-35		460301514-1-28		460301626-1-4	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	9.5		4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U 1	0.21	U	0.21	U 1	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	3.4		10		4.7		0.33	U	1.1	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.75	J	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U +	0.79	U	0.79	U +	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	J	0.32	U	0.37	J	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U +	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**80**		0.25	U	0.25	U	**2.8**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U 1	0.31	U	0.31	U 1	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.34	J	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			MW-124A_DMPDB23.0		MW-124B_DMPDB25.75		MW-126_DMPDB8.5		126B_DMPDB41.8		MW-126C_DMPDB76.8		MW-131_DMPDB14.45	
Date Sampled:			3/26/2024		3/26/2024		3/27/2024		3/27/2024		3/27/2024		3/26/2024	
LAB Sample ID:			460301124-1-24		460301124-1-25		460301128-1-2		460301128-1-3		460301128-1-4		460301124-1-20	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U 1	0.21	U 1	0.21	U	0.21	U	0.21	U	0.21	U 1
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	2.5		0.33	U	0.33	U	0.41	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.51	J	2.5		1.8		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	2.4		9.1		9		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**1.2**		**7.6**		**4**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	0.79	U +	0.79	U	0.79	U	0.79	U	0.79	U +
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	1.8		7.1		3		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.39	J	**1.4**		**1.2**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U 1	0.31	U 1	0.31	U	0.31	U	0.31	U	0.31	U 1
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U -	0.36	U -	0.36	U -	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.48	J	0.44	J	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	1		**4.3**		**3.8**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	5.4	JN	20.4	JN	5.8	JN	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-131B_DMPDB33.8		MW-131C_DMPDB76.8		MW-136_DMPDB140		136B_DMPDB45.0(A)		136B_DMPDB45.0(B)		MW-136C_DMPDB95.0	
Date Sampled:	3/26/2024		3/26/2024		3/28/2024		3/28/2024		3/28/2024		3/28/2024	
LAB Sample ID:	460301124-1-19		460301124-1-18		460301132-1-18		460301132-1-19		460301132-1-20		460301132-1-21	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.34	J	0.34	J	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U 1	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.46	J
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.4	J	0.86	J	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	1.2		1.1		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.33	J	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.37	J	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U 1	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	38.7	JN	39.3	JN	15.8	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-143_DMPDB18.65		MW-143B_DMPDB46.8		MW-143C_DMPDB7145A_DMPDB24146A_DMPDB23146B_DMPDB53.75							
Date Sampled:	3/26/2024		3/26/2024		3/26/2024		3/26/2024		4/2/2024		4/2/2024	
LAB Sample ID:	460301124-1-34		460301124-1-32		460301124-1-33		460301124-1-9		460301626-1-30		460301626-1-29	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U + 1
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U 1	0.21	U 1	0.21	U 1	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	2.1		1.9		0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	0.79	U +	0.79	U +	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.66	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.33	J	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**55**		**42**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U 1	0.31	U 1	0.31	U 1	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**1.5**		0.99	J	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-146C_DMPDB6148A_6.75		MW-DMPDB24148B_.35		MW-DMPDB44148B_.85(A)		MW-DMPDB44_.85(B)		MW-170AR_DMPDB_15.25		MW-170BR_DMPDB_35.0	
Date Sampled:	4/2/2024		3/26/2024		3/26/2024		3/26/2024		3/27/2024		3/27/2024	
LAB Sample ID:	460301626-1-28		460301124-1-21		460301124-1-22		460301124-1-23		460301128-1-28		460301128-1-29	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U + 1	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U 1	0.21	U 1	0.21	U 1	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	1.8		1.7		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	8.1		10	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.27	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U +	0.79	U +	0.79	U +	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2.7**		0.25	U	0.25	U	0.25	U	0.25	U	**160**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U 1	0.31	U 1	0.31	U 1	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U -	0.36	U -
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	0.53	J	**3.8**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	**2.6**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-171A_DMPDB26.75		MW-171B_DMPDB46.75		MW-171C_DMPDB6 6.75		MW-172_DMPDB37.0		MW-174_DMPDB34.75(A)		MW-174_DMPDB34.75(B)	
Date Sampled:	3/26/2024		3/26/2024		3/26/2024		3/29/2024		4/2/2024		4/2/2024	
LAB Sample ID:	460301124-1-7		460301124-1-8		460301124-1-6		460301241-1-23		460301626-1-2		460301626-1-3	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.6	J	1.2		0.51	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	7.4		6.5		5.5		0.22	U	3.6		2.2	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.42	J	0.26	J	0.39	J	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.4	J	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**290**		**210**		**330**		0.25	U	**1.8**		**1.3**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**4.7**		**3.8**		**5**		0.31	U	0.72	J	0.43	J
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
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Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			MW-201_DMPDB28.75		MW-201A_DMPDB21.75		MW-201B_DMPDB41.8		MW-201C_DMPDB92.8		MW-204C_DMPDB61.75		MW-206B_DMPDB46.75	
Date Sampled:			3/29/2024		3/29/2024		3/29/2024		3/29/2024		4/1/2024		3/28/2024	
LAB Sample ID:			460301241-1-8		460301241-1-7		460301241-1-9		460301241-1-10		460301514-1-27		460301132-1-10	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	1.8		4.5		2		0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.4	J	0.33	U	0.58	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	**77**		**190**		**110**		0.74	J	3.5		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	2.2		5.6		1.9		0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.49	J	1.3		0.41	J	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.66	J	1.1		1.8		0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.89	J	**3**		0.68	J	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U +	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**370**		**360**		**420**		**250**		**71**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.74	J	1.6		0.53	J	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**57**		**170**		**64**		**1.1**		**1.4**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.48	J	**2**		0.35	J	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			MW-206C_DMPDB7 6.75		MW-207A_DMPDB6.75		MW-207B_DMPDB44 .75		MW-207C_DMPDB6 1.75		MW-209A_DMPDB14 .75		MW-209B_DMPDB36 .75	
Date Sampled:			3/28/2024		3/27/2024		3/27/2024		3/27/2024		3/26/2024		3/26/2024	
LAB Sample ID:			460301132-1-11		460301128-1-16		460301128-1-17		460301128-1-18		460301124-1-4		460301124-1-5	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.41	J	0.48	J	0.56	J	0.33	U	0.33	U	0.6	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.77	J	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	1.2		0.26	U	0.38	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	**1.3**		0.26	U	0.74	J
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.6	J	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U -	0.36	U -	0.36	U -	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**3.6**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U -	0.37	U -	0.37	U -	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-213B_DMPDB46.75	MW-213C_DMPDB7214A_DMPDB23214B_DMPDB41.75	MW-214C_DMPDB6.75	MW-215C_DMPDB7.75
Date Sampled:	4/2/2024	4/2/2024	4/2/2024	4/2/2024
LAB Sample ID:	460301626-1-14	460301626-1-15	460301626-1-11	460301626-1-12	460301626-1-13	460301626-1-8
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	11		4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.38	J	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.59	J	0.98	J	0.51	J	0.75	J	1.3	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.29	J	2.8		1.1		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	1.6		17		5.7		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	**2.2**		**18**		**7.8**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	**1.2**		0.87	J	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	1.6		0.67	J	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	**2.2**		**1.1**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			MW-216C_DMPDB71.75		MW-222_DMPDB71.75		MW-222C_DMPDB253.75		MW-226C_LF76.75		MW-230C_DMPDB6.75		MW-6236B_DMPDB34.75	
Date Sampled:			4/2/2024		3/29/2024		3/29/2024		3/18/2024		3/28/2024		4/2/2024	
LAB Sample ID:			460301626-1-24		460301241-1-15		460301241-1-16		460300822-1-2		460301132-1-6		460301626-1-5	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U + 1	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	J	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	1		2.9		0.33	U	0.33	U	0.7	J	0.59	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	3.1		0.22	U	0.22	U	0.22	U	4.6		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U +	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.57	J	31		0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	**28**		0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	1.3		1.4		0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U +	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**71**		**1.8**		0.25	U	0.25	U	**2.8**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	8.1		0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**2.1**		0.31	U	0.31	U	0.31	U	**2.9**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.68	J	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	9.5	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

		Sample No.:	MW-236C_DMPDB5 4.75(A)		MW-236C_DMPDB5 4.75(B)		MW-237A_LF27.5		MW-237C_DMPDB1 11.76		MW-238C_DMPDB7 6.75		243B_DMPDB48 .5	
		Date Sampled:	4/2/2024		4/2/2024		3/19/2024		3/25/2024		4/1/2024		4/1/2024	
		LAB Sample ID:	460301626-1-6		460301626-1-7		460300822-1-8		460301001-1-9		460301514-1-25		460301514-1-7	
		LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	24		4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	**15**		0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	13		1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.98	J	0.94	J	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	1.6		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	**160**	+	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U 1	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.76	J	0.76	J	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**1.7**		**1.6**		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	43		0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	19		1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	100		0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U 1
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	6.2		1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	**240**	+	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.35	J
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U +	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.27	J	0.25	U	0.25	U	0.94	J	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	4.9		0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.68	J	0.69	J	0.31	U	0.31	U	0.61	J	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.43	J
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	58		0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	5.4		0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	63.4		0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	**4970**	JN	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-257A_DMPDB27.0	MW-257B_DMPDB46.75	MW-258B_DMPDB80.75	MW-258C_DMPDB106.75	MW-259BR_DMPDB42.5	MW-260C_DMPDB62.0
Date Sampled:	4/2/2024	4/2/2024	3/29/2024	3/29/2024	4/25/2024	3/29/2024
LAB Sample ID:	460301626-1-22	460301626-1-23	460301241-1-19	460301241-1-18	460302858-1-6	460301241-1-26
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U + 1	0.55	U + 1	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.4	J	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	J	0.51	J	1.9	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	9.1		0.22	U	0.37	J	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**140**		0.25	U	**4**		0.47	J	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**4.7**		0.31	U	0.4	J	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-260-S3_DMPDB121.8	MW-265B_DMPDB41.75	MW-265C_DMPDB9266A_DMPDB1.8	MW-34266B_DMPDB.75	MW-61.95	MW-266C_DMPDB6.85
	Date Sampled:	3/29/2024	4/25/2024	3/25/2024	3/25/2024	3/25/2024	3/25/2024
	LAB Sample ID:	460301241-1-27	460302858-1-7	460301001-1-11	460301001-1-5	460301001-1-6	460301001-1-3
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	7.5		12	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.3	J	0.21	U	0.21	U	0.21	U 1	0.21	U 1	0.21	U 1
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	4.4		1.6	
Chloroform	*67-66-3*	*70*	4.1		0.66	J	0.37	J	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.63	J	0.22	U	0.22	U	0.59	J	1.7	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U 1	0.32	U 1	0.32	U 1
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.24	J
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U 1	0.31	U 1	0.31	U 1
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	22		**54**	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.39	J	0.26	U	0.61	J	**4.1**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U 1	1.1	U 1	1.1	U 1
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.54	J	53		32	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U 1	1.3	U 1	1.3	U 1
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U 1	0.71	U 1	0.71	U 1
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**23**		**140**		**10**		0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U 1	0.31	U 1	0.31	U 1
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U 1	0.24	U 1	0.86	J 1
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.87	J	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	**1.2**		**1.3**	
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-267A_DMPDB47.75		MW-267B_DMPDB96.75		MW-269A_DMPDB55.0		MW-269C_DMPDB1270A_DMPDB21.8		MW-271A_DMPDB59.5		MW-56.8	
Date Sampled:	3/29/2024		3/29/2024		4/1/2024		4/1/2024		4/1/2024		3/25/2024	
LAB Sample ID:	460301241-1-2		460301241-1-3		460301514-1-18		460301514-1-17		460301514-1-13		460301001-1-28	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U -	0.54	U	0.54	U -	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.39	J	0.33	U	7.5		0.86	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.34	J
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U 1	0.79	U	0.79	U +
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.33	J	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**1.5**		0.74	J	0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-271B_DMPDB91.8		MW-271C_DMPDB1273B_DMPDB41.8		MW-273C_DMPDB9274A_DMPDB11274B_DMPDB56.80							
			26.8				2.80		.8			
Date Sampled:	3/25/2024		3/25/2024		3/28/2024		3/28/2024		3/28/2024		3/28/2024	
LAB Sample ID:	460301001-1-29		460301001-1-27		460301132-1-4		460301132-1-5		460301132-1-12		460301132-1-13	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	22	U	4.4	U	4.4	U	9.7		4.4	U
Benzene	*71-43-2*	*1*	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	2.1	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	*1.7*	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	2.7	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	2.8	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	9.3	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	4.1	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	1.0	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	9		4.8	J	0.33	U	0.38	J	0.33	U	0.69	J
Chloromethane	*74-87-3*	*100*	0.40	U	2.0	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	1.1	U	0.26	J	0.22	U	0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*1.9*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	*1.4*	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*2.5*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	1.1	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	1.7	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	1.6	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	1.3	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	*2.2*	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	*1.3*	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	*1.8*	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	1.5	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	5.7	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	3.9	U +	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	6.5	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	3.5	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	2.1	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	*1.8*	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.8	J	***960***		1		**3.7**		0.37	J	**2.4**	
Toluene	*108-88-3*	*600*	0.38	U	1.9	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	1.1	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	1.6	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	1.8	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	1.2	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	1.0	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	***2.4***	J	0.39	J	0.89	J	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	1.8	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.86	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	1.5	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	1.8	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	3.3	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-274C_DMPDB9275B_1.8		MW-DMPDB36276A_.8		MW-DMPDB26276B_.8		MW-DMPDB51.8		MW-276C_DMPDB8 6.8		MW-MW-286A_LF9.0	
Date Sampled:	3/28/2024		3/27/2024		3/26/2024		3/26/2024		3/26/2024		3/18/2024	
LAB Sample ID:	460301132-1-14		460301128-1-8		460301124-1-27		460301124-1-28		460301124-1-29		460300822-1-4	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U 1	0.21	U 1	0.21	U 1	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.41	J	1.2		1.3		0.81	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	4.1		0.22	U	0.22	U	0.22	U	0.24	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U +
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	17		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**21**		0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U +	0.79	U +	0.79	U +	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.23	J	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U +
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2**		**4.7**		0.25	U	0.25	U	0.25	U	0.32	J
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U 1	0.31	U 1	0.31	U 1	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U -	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	2		0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**13**		0.31	U	0.31	U	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-288B_DMPDB41.8		MW-295A_DMPDB17.5		MW-295C_DMPDB80.0(A)		MW-295C_DMPDB8304A_DMPDB170.0(B)		MW-304A_DMPDB17.5(A)		MW-304A_DMPDB17.5(B)	
Date Sampled:	4/1/2024		3/25/2024		3/25/2024		3/25/2024		3/26/2024		3/26/2024	
LAB Sample ID:	460301514-1-26		460301001-1-21		460301001-1-19		460301001-1-20		460301124-1-12		460301124-1-13	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.7	J	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.47	J	0.33	U	0.33	U	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	2.6		3.4		3.8		5.5		0.27	J
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U 1	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U +	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U +	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.29	J	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.39	J
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U +	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**160**		0.25	U	**57**		**56**		1	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**1.4**		0.76	J	**1.8**		**2.3**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.53	J	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.65	J	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-304B_DMPDB37.5		MW-304C_DMPDB72.5		MW-320C_DMPDB6347B_DMPDB2.8		MW-46348B_DMPDB.8		MW-51349B_DMPDB.8		MW-DMPDB41.8	
Date Sampled:	3/26/2024		3/26/2024		4/1/2024		3/27/2024		3/27/2024		3/27/2024	
LAB Sample ID:	460301124-1-10		460301124-1-11		460301514-1-12		460301128-1-13		460301128-1-14		460301128-1-10	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U -	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	J	0.95	J	0.33	U	0.9	J	0.57	J	0.65	J
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	8.6		1.7		0.41	J	2.1		1.5		1.8	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	6.9		9.9		8.5		8.9	
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.47	J	0.26	U	**1.2**		**11**		**9.5**		**9.8**	
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.92	J	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.39	J	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**360**		**110**		0.25	U	**1.7**		**1.2**		**1.5**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U -	0.36	U -	0.36	U -
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	1.3		1		1.1	
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**5.5**		**1.7**		**1.8**		**3.4**		**3.2**		**3.7**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U -	0.37	U -	0.37	U -
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:		MW-349C_DMPDB9 1.8		MW-351C_DMPDB6 1.8		353A_DMPDB49 .25		353B_DMPDB76 .3		MW-353C_DMPDB13 24.25		57A_DMPDB20 .0	
	Date Sampled:		3/27/2024		4/25/2024		3/29/2024		3/29/2024		3/29/2024		4/1/2024	
	LAB Sample ID:		460301128-1-9		460302858-1-8		460301241-1-4		460301241-1-5		460301241-1-6		460301514-1-4	
	LAB:		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***												
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U -
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.45	J	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	2.8		0.33	U	0.33	U	6.3		1.3		0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	4.6		0.9	J	0.22	U	0.22	U	4.1		0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	20		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	**15**		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	2.5		0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	**2.5**		0.25	U	0.25	U	0.25	U	**140**		0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U -	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	1.1		0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	**9.4**		0.31	U	0.31	U	0.31	U	**1.3**		0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U -	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.28	J	0.17	U	0.17	U	**1.5**		0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	5.2	JN	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-366B_DMPDB41.80		MW-373B_DMPDB73.75		MW-373C_DMPDB1414.75		MW-375A_DMPDB50.75		MW-375B_DMPDB69.8		MW-375C_DMPDB126.8	
Date Sampled:	4/1/2024		3/29/2024		3/29/2024		3/25/2024		3/25/2024		3/25/2024	
LAB Sample ID:	460301514-1-36		460301241-1-21		460301241-1-22		460301001-1-24		460301001-1-25		460301001-1-26	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	22	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	1.0	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	2.1	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	*1.7*	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	2.7	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	2.8	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	9.3	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	4.1	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	1.0	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	1.9	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U 1
Chloroform	*67-66-3*	*70*	3.5		1.5		0.58	J	0.33	U	0.66	J	1.6	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	2.0	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.51	J	0.22	U	2.7		0.22	U	0.22	U	1.1	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*1.9*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	*1.4*	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*2.5*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	1.1	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	1.7	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	1.7	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	1.6	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	1.3	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	*2.2*	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	*1.3*	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	*1.8*	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	1.5	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	5.7	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	1.7	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U +	0.79	U +	3.9	U +
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	6.5	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	3.5	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	2.1	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U +	0.37	U	0.37	U	0.37	U	0.37	U	*1.8*	U
Tetrachloroethene	*127-18-4*	*1*	**110**		**34**		**20**		0.25	U	0.25	U	***1500***	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	1.9	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	1.2	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	1.6	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	1.8	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	1.2	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	1.0	U
Trichloroethene	*79-01-6*	*1*	0.61	J	0.31	U	**2.8**		0.31	U	0.31	U	*1.6*	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	1.6	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	1.8	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.18	J	0.17	U	0.17	U	0.86	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	1.5	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	1.8	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	3.3	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-376B_DMPDB81.0		MW-376C_DMPDB1319.8		MW-377B_DMPDB86.8		MW-377C_DMPDB1309.8		MW-383A_DMPDB17.5		MW-391C_DMPDB115.0	
Date Sampled:	3/25/2024		3/25/2024		3/29/2024		3/29/2024		3/25/2024		3/28/2024	
LAB Sample ID:	460301001-1-32		460301001-1-33		460301241-1-25		460301241-1-24		460301001-1-13		460301132-1-27	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	8.8	U	4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.41	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.82	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.69	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	1.1	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	1.1	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	3.7	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	1.6	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.42	U 1	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.75	U	0.38	U	0.38	U	0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	6.2		4.1		3		0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.80	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.44	U	0.22	U	0.22	U	0.33	J	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.44	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.75*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.56	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*1.0*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.42	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.68	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.34	J	0.67	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.53	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.86	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.53	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.71	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.60	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	2.3	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.67	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U +	1.6	U +	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.43	U	0.22	U	0.22	U	0.22	U	0.48	J
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	2.6	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	1.4	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.63	U	0.32	U	0.32	U	0.47	J B	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.83	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.73	U	0.37	U	0.37	U	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	**950**		**40**		**300**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.76	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.47	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.45	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.62	U 1	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.71	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.48	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.41	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.63	U	0.31	U	0.61	J	0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.64	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.73	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.34	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.59	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.72	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	1.3	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	29	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-394C_DMPDB9416A_8.0		MW-DMPDB34416B_.8		MW-DMPDB49_.25		MW-416C_LF105.0		MW-453C2_DMPDB_97.5		MW-457C1_DMPDB_75.0	
	Date Sampled:	4/1/2024		3/28/2024		3/28/2024		3/18/2024		4/1/2024		4/1/2024	
	LAB Sample ID:	460301514-1-5		460301132-1-25		460301132-1-26		460300822-1-3		460301514-1-32		460301514-1-33	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
Acetone	*67-64-1*	*6000*	4.4	U	17		4.4	U	4.4	U	4.4	U	4.4	U
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U -	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	21		0.38	U	0.38	U
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.33	U	0.33	U	0.33	U	4.2		2.3	
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	1.2		2.4	
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U +	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	0.26	U	0.62	J	0.38	J	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	1.3		0.22	U	3.4		2.4		0.22	U	0.22	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U +	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U +	0.37	U +
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.25	U	0.25	U	0.25	U	**240**		**210**	
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	0.31	U	0.31	U	0.31	U	**1.3**		**1.8**	
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	24	JN	21.8	JN	ND	U	ND	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of Volatile Organic Compounds (VOCs) in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-483B_DMPDB57.5		MW-483C_DMPDB7495B_DMPDB45.5		MW-503C_DMPDB7505A_DMPDB12506B_DMPDB42.5							
Date Sampled:	3/27/2024		3/27/2024		4/1/2024		4/1/2024		4/1/2024		4/1/2024	
LAB Sample ID:	460301128-1-19		460301128-1-20		460301514-1-31		460301514-1-30		460301514-1-2		460301514-1-3	
LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***										
Acetone	*67-64-1*	*6000*	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	29	
Benzene	*71-43-2*	*1*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Bromochloromethane	*74-97-5*	*100*	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
Bromodichloromethane	*75-27-4*	*1*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Bromoform	*75-25-2*	*4*	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U -	0.54	U -
Bromomethane	*74-83-9*	*10*	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
2-Butanone (MEK)	*78-93-3*	*300*	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Carbon Disulfide	*75-15-0*	*700*	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Carbon tetrachloride	*56-23-5*	*1*	0.21	U	0.21	U	0.21	U	0.35	J	0.21	U	0.21	U
Chlorobenzene	*108-90-7*	*50*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	7.4	
Chloroethane	*75-00-3*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
Chloroform	*67-66-3*	*70*	0.33	U	0.53	J	0.33	U	0.89	J	0.33	U	0.33	U
Chloromethane	*74-87-3*	*100*	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	*156-59-2*	*70*	0.22	U	0.78	J	23		8.2		0.22	U	0.22	U
cis-1,3-Dichloropropene	*10061-01-5*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Cyclohexane	*110-82-7*	*100*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.02*	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U	*0.38*	U
Dibromochloromethane	*124-48-1*	*1*	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
1,2-Dibromoethane	*106-93-4*	*0.03*	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U	*0.50*	U
1,2-Dichlorobenzene	*95-50-1*	*600*	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
1,3-Dichlorobenzene	*541-73-1*	*600*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	*106-46-7*	*75*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dichlorodifluoromethane	*75-71-8*	*1000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,1-Dichloroethane	*75-34-3*	*50*	0.26	U	2		0.26	U	0.26	U	0.26	U	0.39	J
1,2-Dichloroethane	*107-06-2*	*2*	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
1,1-Dichloroethene	*75-35-4*	*1*	0.26	U	**1.4**		0.26	U	0.65	J	0.26	U	0.26	U
1,2-Dichloropropane	*78-87-5*	*1*	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,3-Dichloropropene (total)	*542-75-6*	*1*	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*700*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
2-Hexanone	*591-78-6*	*40*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Isopropylbenzene	*98-82-8*	*700*	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U
Methyl Acetate	*79-20-9*	*7000*	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*70*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	1.1	
4-methyl-2-pentanone (MIBK)	*108-10-1*	*100*	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Methylcyclohexane	*108-87-2*	*100*	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
Methylene chloride	*75-09-2*	*3*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.38	J B
Styrene	*100-42-5*	*100*	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*1*	0.37	U	0.37	U	0.37	U +	0.37	U +	0.37	U	0.37	U
Tetrachloroethene	*127-18-4*	*1*	0.25	U	0.96	J	**27**		**290**		0.25	U	0.25	U
Toluene	*108-88-3*	*600*	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
trans-1,2-Dichloroethene	*156-60-5*	*100*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
trans-1,3-Dichloropropene	*10061-02-6*	*--*	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Freon 113	*76-13-1*	*20000*	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
1,2,3-Trichlorobenzene	*87-61-6*	*100*	0.36	U -	0.36	U -	0.36	U	0.36	U	0.36	U	0.36	U
1,1,1-Trichloroethane	*71-55-6*	*30*	0.24	U	0.3	J	0.24	U	0.24	U	0.24	U	0.24	U
1,1,2-Trichloroethane	*79-00-5*	*3*	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Trichloroethene	*79-01-6*	*1*	0.31	U	**2.5**		**7.2**		**3.9**		0.31	U	0.31	U
Trichlorofluoromethane	*75-69-4*	*2000*	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2,4-Trichlorobenzene	*120-82-1*	*9*	0.37	U -	0.37	U -	0.37	U	0.37	U	0.37	U	0.37	U
Vinyl Chloride	*75-01-4*	*1*	0.17	U	0.17	U	**2.8**		0.17	U	0.17	U	0.17	U
m,p-Xylene	*179601-23-1*	*--*	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	*95-47-6*	*--*	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes (total)	*1330-20-7*	*1000*	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U	0.65	U
Total VOC TIC	*SRP170*	*500*	ND	U	ND	U	ND	U	ND	U	ND	U	5	JN

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Attachment 1

1,4-Dioxane in Groundwater – 1Q 2024

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	66RI-MW4_DMPDB7.0	131RI-MW1_DMPDB4.0	138RI-MW1R_DMPDB24.5	187RI-MW2_DMPDB8.67	ART-MW-BR_DMPDB40.0	DW-2B_DMPDB132.75
	Date Sampled:	3/28/2024	3/28/2024	4/25/2024	3/27/2024	3/28/2024	3/26/2024
	LAB Sample ID:	460301132-1-7	460301132-1-8	460302858-1-5	460301128-1-21	460301132-1-28	460301124-1-38
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**2.1**	**0.72**	0.33 U	**3**	**0.42**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-2-D2_DMPDB276.8	DW-3B_LF113.75	DW-3-D2_DMPDB286.8	DW-4C_DMPDB138.75	DW-4D_DMPDB446.75(A)	DW-4D_DMPDB446.75(B)
	Date Sampled:	3/26/2024	3/19/2024	4/1/2024	4/2/2024	4/2/2024	4/2/2024
	LAB Sample ID:	460301124-1-37	460300822-1-7	460301514-1-21	460301626-1-27	460301626-1-25	460301626-1-26
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	**0.64**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			DW-6B_DMPDB111.75		DW-6C_DMPDB287.75		DW-6D_DMPDB494.75(A)		DW-6D_DMPDB494.75(B)		DW-7A_DMPDB123.8	DW-7B_DMPDB171.75	
Date Sampled:			4/2/2024		4/2/2024		4/2/2024		4/2/2024		3/29/2024	3/29/2024	
LAB Sample ID:			460301626-1-16		460301626-1-17		460301626-1-18		460301626-1-19		460301241-1-13	460301241-1-14	
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**0.54**		**0.71**		**0.71**		0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			DW-7C_DMPDB341.75		DW-7D_DMPDB426.75(A)		DW-7D_DMPDB426.75(B)		DW-8A_DMPDB117.75		DW-8B_DMPDB188.75	DW-8C_DMPDB303.75
Date Sampled:			4/25/2024		3/29/2024		3/29/2024		3/25/2024		3/25/2024	3/25/2024
LAB Sample ID:			460302858-1-3		460301241-1-11		460301241-1-12		460301001-1-16		460301001-1-17	460301001-1-18
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-9A_DMPDB91.75	DW-11B_DMPDB96.75	DW-11D_DMPDB4412B_DMPDB6.75	DW-182.75	DW-12CR_DMPDB516.8(A)	DW-12CR_DMPDB516.8(B)
	Date Sampled:	4/25/2024	4/2/2024	4/2/2024	4/1/2024	4/1/2024	4/1/2024
	LAB Sample ID:	460302858-1-9	460301626-1-9	460301626-1-10	460301514-1-8	460301514-1-9	460301514-1-10
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	**0.81**	**3.8**	**3.7**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-13-D2_DMPDB241.148	DW-14A_DMPDB17816.75	DW-16A_DMPDB21616.75	DW-16B_DMPDB293.75	DW-16C_DMPDB434.75	DW-17C_DMPDB116.75
	Date Sampled:	3/27/2024	3/28/2024	3/28/2024	3/28/2024	3/28/2024	3/26/2024
	LAB Sample ID:	460301128-1-15	460301132-1-9	460301132-1-17	460301132-1-15	460301132-1-16	460301124-1-17
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.69**	**21**	**38**	0.33 U	**1.5**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-24_DMPDB171.75	DW-27B_DMPDB291.75	DW-27C_DMPDB421.8(A)	DW-27C_DMPDB4228A_DMPDB1801.8(B)	DW-8_DMPDB307.8	DW-8B_DMPDB307.8
	Date Sampled:	3/29/2024	4/25/2024	3/27/2024	3/27/2024	3/25/2024	3/25/2024
	LAB Sample ID:	460301241-1-17	460302858-1-4	460301128-1-23	460301128-1-24	460301001-1-30	460301001-1-31
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	**1.2**	**2.3**	**2.4**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-29B_DMPDB286.75	DW-29C_DMPDB4330B_DMPDB256.75	DW-31C_DMPDB4332A_DMPDB156.75	DW-32B_LF297.75
	Date Sampled:	3/25/2024	3/25/2024	3/25/2024	3/25/2024	3/25/2024	3/19/2024
	LAB Sample ID:	460301001-1-23	460301001-1-22	460301001-1-12	460301001-1-10	460301001-1-4	460300822-1-9
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	**11**		**32**		**6.2**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-33A_LF151.8	DW-33B_DMPDB275.8	DW-33C_DMPDB4134.8	DW-6B_DMPDB28637.75	DW-6B_DMPDB29638.8	DW-6A_DMPDB177.8
	Date Sampled:	3/18/2024	3/28/2024	3/28/2024	4/25/2024	4/1/2024	4/1/2024
	LAB Sample ID:	460300822-1-5	460301132-1-2	460301132-1-3	460302858-1-2	460301514-1-14	460301514-1-15
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**27**	**8.6**	**0.87**	**12**	0.37 J	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-38B_DMPDB24.8		DW-39B_DMPDB292.8		DW-39C_DMPDB4942.8		DW-40A_DMPDB138.8		DW-40B_DMPDB246.8		DW-40C_DMPDB396.8	
	Date Sampled:	4/1/2024		3/26/2024		3/26/2024		3/27/2024		3/27/2024		3/27/2024	
	LAB Sample ID:	460301514-1-16		460301124-1-30		460301124-1-31		460301128-1-5		460301128-1-6		460301128-1-7	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	**2**		0.33	U	0.33	U	**0.42**		0.33	U	**11**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	DW-41C_DMPDB4245A_6.8	DW-DMPDB12152A_.8	DW-DMPDB12658A_.8	DW-DMPDB216_.8	DW-65-73-S2	DW-65-91-S3
Date Sampled:	4/2/2024	4/2/2024	4/1/2024	3/29/2024	3/20/2024	3/20/2024
LAB Sample ID:	460301626-1-20	460301626-1-21	460301514-1-37	460301241-1-20	460300967-1-12	460300967-1-11
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	**1.1**		**1.4**		**0.6**		**0.42**		**25**		**36**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

		Sample No.:	DW-65-119-S3	DW-65-145-D1	DW-65-154-D1	DW-65-176-D1	DW-65-199-D1	DW-65-221-D1
		Date Sampled:	3/20/2024	3/20/2024	3/20/2024	3/20/2024	3/20/2024	3/20/2024
		LAB Sample ID:	460300967-1-10	460300967-1-9	460300967-1-8	460300967-1-7	460300967-1-6	460300967-1-5
		LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	***180***	***130***	***59***	***41***	***77***	***75***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-65-262-D2	DW-65-350-D2	DW-67B_LF269.568A_DMPDB202.5	DW-70-83-S3	DW-70-114-S3
	Date Sampled:	3/20/2024	3/20/2024	3/19/2024	3/28/2024	3/20/2024	3/20/2024
	LAB Sample ID:	460300967-1-4	460300967-1-3	460300822-1-6	460301132-1-22	460300967-1-20	460300967-1-19
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**8**	**25**	**16**	**4.4**	**8.8**	**21**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-70-123-D1	DW-70-150-D1 (A)	DW-70-150-D1 (B)	DW-70-174-D1	DW-70-205-D1	DW-70-261-D2
	Date Sampled:	3/20/2024	3/20/2024	3/20/2024	3/20/2024	3/20/2024	3/20/2024
	LAB Sample ID:	460300967-1-18	460300967-1-16	460300967-1-17	460300967-1-15	460300967-1-14	460300967-1-13
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**33**	**8.9**	**9.4**	**13**	**1.1**	**42**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-72-120-S3	DW-72-146-S3	DW-72-167-D1 (A)	DW-72-167-D1 (B)	DW-72-176-D1	DW-72-217-D1
	Date Sampled:	3/21/2024	3/21/2024	3/21/2024	3/21/2024	3/21/2024	3/21/2024
	LAB Sample ID:	460300967-1-28	460300967-1-27	460300967-1-25	460300967-1-26	460300967-1-24	460300967-1-23
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	DW-72-237-D1	DW-72-316-D2	IW-157C2_DMPDB95.0	IW-168B_DMPDB43.5	IW-168C1_DMPDB68.5	IW-168C2_DMPDB93.5
	Date Sampled:	3/21/2024	3/21/2024	4/1/2024	4/1/2024	4/1/2024	4/1/2024
	LAB Sample ID:	460300967-1-22	460300967-1-21	460301514-1-34	460301514-1-22	460301514-1-23	460301514-1-24
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	**0.47**	0.38 J	**0.48**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	IW-197A_DMPDB26.3	IW-199B_DMPDB40.6	MW-1G_DMPDB10.75	MW-2B_DMPDB52.2	MW-2G_DMPDB10.75	MW-15A_DMPD13.25
	Date Sampled:	3/28/2024	3/28/2024	3/26/2024	3/27/2024	3/26/2024	4/1/2024
	LAB Sample ID:	460301132-1-23	460301132-1-24	460301124-1-3	460301128-1-30	460301124-1-2	460301514-1-29
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**23**	**41**	***78***	0.33 U	**0.47**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-16_DMPDB10.5 (A)	MW-16_DMPDB10.5 (B)	MW-22A_DMPDB40.75	MW-24_DMPDB32.0	MW-24C_DMPDB40.0	MW-43_DMPDB21.85
	Date Sampled:	3/25/2024	3/25/2024	4/1/2024	3/25/2024	4/1/2024	3/27/2024
	LAB Sample ID:	460301001-1-7	460301001-1-8	460301514-1-11	460301001-1-14	460301514-1-6	460301128-1-22
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	***57***	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-44_DMPDB16.0	MW-44B_DMPDB41.75	MW-44C_DMPDB76.75	MW-46_DMPDB58.75(A)	MW-46_DMPDB58.75(B)	MW-58_DMPDB31.75
	Date Sampled:	3/27/2024	3/27/2024	3/27/2024	4/1/2024	4/1/2024	3/25/2024
	LAB Sample ID:	460301128-1-25	460301128-1-26	460301128-1-27	460301514-1-19	460301514-1-20	460301001-1-2
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-80C_DMPDB23.0	MW-102_DMPDB11.10	MW-104B_DMPDB30.1	MW-105A_DMPDB7.9	MW-105B_DMPDB36.0	MW-106A_DMPDB9.4
	Date Sampled:	3/25/2024	4/1/2024	3/26/2024	3/27/2024	3/27/2024	3/26/2024
	LAB Sample ID:	460301001-1-15	460301514-1-35	460301124-1-16	460301128-1-11	460301128-1-12	460301124-1-15
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	**19**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-106B_DMPDB31.2		MW-112A_DMPDB6.80		MW-114_DMPDB75.4		MW-114A_DMPDB71.8		MW-117_DMPDB71.25		MW-120_DMPDB76.75	
	Date Sampled:	3/26/2024		3/26/2024		3/26/2024		3/26/2024		4/1/2024		4/2/2024	
	LAB Sample ID:	460301124-1-14		460301124-1-26		460301124-1-36		460301124-1-35		460301514-1-28		460301626-1-4	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-124A_DMPDB23.0		MW-124B_DMPDB25.75		MW-126_DMPDB8.5	MW-126B_DMPDB41.8	MW-126C_DMPDB76.8	MW-131_DMPDB14.45
	Date Sampled:	3/26/2024		3/26/2024		3/27/2024	3/27/2024	3/27/2024	3/26/2024
	LAB Sample ID:	460301124-1-24		460301124-1-25		460301128-1-2	460301128-1-3	460301128-1-4	460301124-1-20
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***							
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**29**	***110***	***86***	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-131B_DMPDB33.8	MW-131C_DMPDB76.8	MW-136_DMPDB14.0	MW-136B_DMPDB45.0(A)	MW-136B_DMPDB45.0(B)	MW-136C_DMPDB95.0
Date Sampled:	3/26/2024	3/26/2024	3/28/2024	3/28/2024	3/28/2024	3/28/2024
LAB Sample ID:	460301124-1-19	460301124-1-18	460301132-1-18	460301132-1-19	460301132-1-20	460301132-1-21
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	***140***		***180***		**28**	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-143_DMPDB18.65	MW-143B_DMPDB46.8	MW-143C_DMPDB7145A_DMPDB24146A_DMPDB23146B_DMPDB53.75			
	Date Sampled:	3/26/2024	3/26/2024	3/26/2024	3/26/2024	4/2/2024	4/2/2024
	LAB Sample ID:	460301124-1-34	460301124-1-32	460301124-1-33	460301124-1-9	460301626-1-30	460301626-1-29
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-146C_DMPDB6.75	MW-148A_DMPDB.35	MW-148B_DMPDB.85(A)	MW-148B_DMPDB.85(B)	MW-170AR_DMPDB15.25	MW-170BR_DMPDB35.0
	Date Sampled:	4/2/2024	3/26/2024	3/26/2024	3/26/2024	3/27/2024	3/27/2024
	LAB Sample ID:	460301626-1-28	460301124-1-21	460301124-1-22	460301124-1-23	460301128-1-28	460301128-1-29
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	**0.48**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-171A_DMPDB26.75	MW-171B_DMPDB46.75	MW-171C_DMPDB6 6.75	MW-172_DMPDB37.0	MW-174_DMPDB34.75(A)	MW-174_DMPDB34.75(B)
	Date Sampled:	3/26/2024	3/26/2024	3/26/2024	3/29/2024	4/2/2024	4/2/2024
	LAB Sample ID:	460301124-1-7	460301124-1-8	460301124-1-6	460301241-1-23	460301626-1-2	460301626-1-3
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.86**	**1.1**	**1**	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-201_DMPDB28.75	MW-201A_DMPDB21.75	MW-201B_DMPDB41.8	MW-201C_DMPDB92.8	MW-204C_DMPDB61.75	MW-206B_DMPDB46.75
	Date Sampled:	3/29/2024	3/29/2024	3/29/2024	3/29/2024	4/1/2024	3/28/2024
	LAB Sample ID:	460301241-1-8	460301241-1-7	460301241-1-9	460301241-1-10	460301514-1-27	460301132-1-10
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	**0.43**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-206C_DMPDB7 6.75	MW-207A_DMPDB6.75	MW-207B_DMPDB44 .75	MW-207C_DMPDB6 1.75	MW-209A_DMPDB14 .75	MW-209B_DMPDB36 .75
	Date Sampled:	3/28/2024	3/27/2024	3/27/2024	3/27/2024	3/26/2024	3/26/2024
	LAB Sample ID:	460301132-1-11	460301128-1-16	460301128-1-17	460301128-1-18	460301124-1-4	460301124-1-5
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			MW-213B_DMPDB46.75		MW-213C_DMPDB76.75		MW-214A_DMPDB2.25	MW-214B_DMPDB41.75		MW-214C_DMPDB6.75		MW-215C_DMPDB76.75
Date Sampled:			4/2/2024		4/2/2024		4/2/2024	4/2/2024		4/2/2024		4/2/2024
LAB Sample ID:			460301626-1-14		460301626-1-15		460301626-1-11	460301626-1-12		460301626-1-13		460301626-1-8
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison		Eurofins Edison		Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**0.55**	**4.8**		**1.3**		0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-216C_DMPDB71.75	MW-222_DMPDB71.75	MW-222C_DMPDB253.75	MW-226C_LF76.75	MW-230C_DMPDB6.75	MW-236B_DMPDB34.75
	Date Sampled:	4/2/2024	3/29/2024	3/29/2024	3/18/2024	3/28/2024	4/2/2024
	LAB Sample ID:	460301626-1-24	460301241-1-15	460301241-1-16	460300822-1-2	460301132-1-6	460301626-1-5
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**1**	0.33 U	**0.54**	**13**	**8.4**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-236C_DMPDB54.75(A)	MW-236C_DMPDB54.75(B)	MW-237A_LF27.5	MW-237C_DMPDB111.76	MW-238C_DMPDB76.75	MW-243B_DMPDB48.5
	Date Sampled:	4/2/2024	4/2/2024	3/19/2024	3/25/2024	4/1/2024	4/1/2024
	LAB Sample ID:	460301626-1-6	460301626-1-7	460300822-1-8	460301001-1-9	460301514-1-25	460301514-1-7
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.75**	**0.59**	*0.67* U	**6.6**	**1.2**	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-257A_DMPDB27.0	MW-257B_DMPDB46.75	MW-258B_DMPDB80.75	MW-258C_DMPDB106.75	MW-259BR_DMPDB42.5	MW-260C_DMPDB62.0
	Date Sampled:	4/2/2024	4/2/2024	3/29/2024	3/29/2024	4/25/2024	3/29/2024
	LAB Sample ID:	460301626-1-22	460301626-1-23	460301241-1-19	460301241-1-18	460302858-1-6	460301241-1-26
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**0.57**	**1.2**	0.33 U	**0.42**	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-260-S3_DMPDB121.8	MW-265B_DMPDB41.75	MW-265C_DMPDB91.8	MW-266A_DMPDB34.75	MW-266B_DMPDB61.95	MW-266C_DMPDB86.85
	Date Sampled:	3/29/2024	4/25/2024	3/25/2024	3/25/2024	3/25/2024	3/25/2024
	LAB Sample ID:	460301241-1-27	460302858-1-7	460301001-1-11	460301001-1-5	460301001-1-6	460301001-1-3
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	**0.7**	0.33 U	**7.2**	**21**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-267A_DMPDB47.75	MW-267B_DMPDB96.75	MW-269A_DMPDB55.0	MW-269C_DMPDB1221.8	MW-270A_DMPDB59.5	MW-271A_DMPDB56.8
	Date Sampled:	3/29/2024	3/29/2024	4/1/2024	4/1/2024	4/1/2024	3/25/2024
	LAB Sample ID:	460301241-1-2	460301241-1-3	460301514-1-18	460301514-1-17	460301514-1-13	460301001-1-28
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-271B_DMPDB91.8	MW-271C_DMPDB1273B_DMPDB41.8	MW-273C_DMPDB9274A_DMPDB11274B_DMPDB56.80
	Date Sampled:	3/25/2024	3/25/2024	3/28/2024	3/28/2024	3/28/2024	3/28/2024
	LAB Sample ID:	460301001-1-29	460301001-1-27	460301132-1-4	460301132-1-5	460301132-1-12	460301132-1-13
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-274C_DMPDB9275B_DMPDB1.8	MW-36276A_DMPDB.8	MW-26276B_DMPDB.8	MW-51276C_DMPDB6.8	MW-MW-286A_LF9.0
	Date Sampled:	3/28/2024	3/27/2024	3/26/2024	3/26/2024	3/26/2024	3/18/2024
	LAB Sample ID:	460301132-1-14	460301128-1-8	460301124-1-27	460301124-1-28	460301124-1-29	460300822-1-4
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**25**		0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-288B_DMPDB4.8		MW-1295A_DMPDB17.5		MW-295C_DMPDB80.0(A)		MW-295C_DMPDB80.0(B)		MW-8304A_DMPDB17.5(A)		MW-304A_DMPDB17.5(B)	
	Date Sampled:	4/1/2024		3/25/2024		3/25/2024		3/25/2024		3/26/2024		3/26/2024	
	LAB Sample ID:	460301514-1-26		460301001-1-21		460301001-1-19		460301001-1-20		460301124-1-12		460301124-1-13	
	LAB:	Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***											
1,4-Dioxane	*123-91-1*	*0.4*	**0.57**		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-304B_DMPDB37.5	MW-304C_DMPDB72.5	MW-320C_DMPDB63	47B_DMPDB46.8	48B_DMPDB51.8	49B_DMPDB41.8
	Date Sampled:	3/26/2024	3/26/2024	4/1/2024	3/27/2024	3/27/2024	3/27/2024
	LAB Sample ID:	460301124-1-10	460301124-1-11	460301514-1-12	460301128-1-13	460301128-1-14	460301128-1-10
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	**1.7**	0.33 U	***110***	**2.2**	**2.7**	**6.5**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-349C_DMPDB91.8	MW-351C_DMPDB61.8	MW-353A_DMPDB4.25	MW-353B_DMPDB7.3	MW-353C_DMPDB13	MW-357A_DMPDB24.25	MW-20.0
	Date Sampled:	3/27/2024	4/25/2024	3/29/2024	3/29/2024	3/29/2024	4/1/2024	
	LAB Sample ID:	460301128-1-9	460302858-1-8	460301241-1-4	460301241-1-5	460301241-1-6	460301514-1-4	
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	
Parameter (ug/l)	***CAS No.***	***GWQS***						
1,4-Dioxane	*123-91-1*	*0.4*	***140***	0.33 U	0.33 U	0.33 U	0.33 U	**3.8**

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-366B_DMPDB41.80	MW-373B_DMPDB73.75	MW-373C_DMPDB1.75	MW-375A_DMPDB50.75	MW-375B_DMPDB69.8	MW-375C_DMPDB126.8
	Date Sampled:	4/1/2024	3/29/2024	3/29/2024	3/25/2024	3/25/2024	3/25/2024
	LAB Sample ID:	460301514-1-36	460301241-1-21	460301241-1-22	460301001-1-24	460301001-1-25	460301001-1-26
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:	MW-376B_DMPDB81.0	MW-376C_DMPDB1319.8	MW-377B_DMPDB86.8	MW-377C_DMPDB1309.8	MW-383A_DMPDB17.5	MW-391C_DMPDB115.0
Date Sampled:	3/25/2024	3/25/2024	3/29/2024	3/29/2024	3/25/2024	3/28/2024
LAB Sample ID:	460301001-1-32	460301001-1-33	460301241-1-25	460301241-1-24	460301001-1-13	460301132-1-27
LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison

Parameter (ug/l)	CAS No.	GWQS											
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	0.33	U	**0.68**		0.33	U	0.33	U	***140***	

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

	Sample No.:	MW-394C_DMPDB8.0	MW-416A_DMPDB.8	MW-416B_DMPDB.25	MW-416C_LF105.0	MW-453C2_DMPDB97.5	MW-457C1_DMPDB75.0
	Date Sampled:	4/1/2024	3/28/2024	3/28/2024	3/18/2024	4/1/2024	4/1/2024
	LAB Sample ID:	460301514-1-5	460301132-1-25	460301132-1-26	460300822-1-3	460301514-1-32	460301514-1-33
	LAB:	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***					
1,4-Dioxane	*123-91-1*	*0.4*	***96***	0.38 J	**3.4**	***200***	0.33 U	0.37 J

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Summary of 1,4-Dioxane in Groundwater
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
1Q 2024

Sample No.:			MW-483B_DMPDB57.5		MW-483C_DMPDB7495B_DMPDB45.5		MW-503C_DMPDB7505A_DMPDB12506B_DMPDB42.5					
Date Sampled:			3/27/2024		3/27/2024		4/1/2024		4/1/2024		4/1/2024	
LAB Sample ID:			460301128-1-19		460301128-1-20		460301514-1-31		460301514-1-30		460301514-1-2	460301514-1-3
LAB:			Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison		Eurofins Edison	Eurofins Edison
Parameter (ug/l)	***CAS No.***	***GWQS***										
1,4-Dioxane	*123-91-1*	*0.4*	0.33	U	**0.9**		**0.82**		**0.73**		**16**	***140***

GWQS = NJDEP's Ground Water Quality Standard
Bold indicates concentrations above the GWQS
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

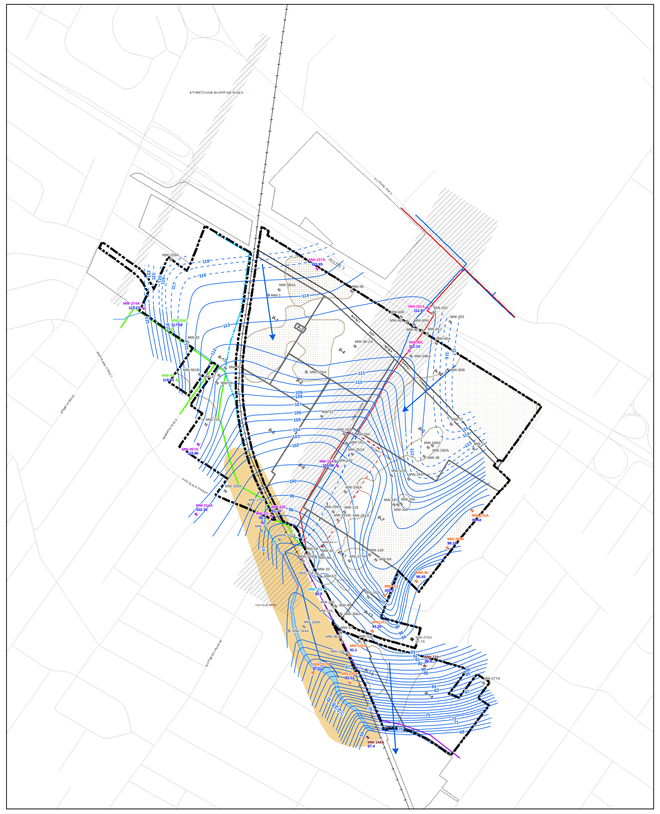
ATTACHMENT 2

Roche Ground Water Biennial Certification

Groundwater Contour Maps

2021 – 2024

SHALLOW GROUNDWATER



HGU 1

HGU 2

LEGEND

- GROUNDWATER ELEVATION CONTOUR (ft msl)
- INFERRED GROUNDWATER ELEVATION CONTOUR (ft msl) BASED ON PRE-LTM (2019) GROUNDWATER ELEVATION MEASUREMENTS
- GROUNDWATER FLOW DIRECTION
- HGU SUBCROP BOUNDARY
- INFERRED HGU SUBCROP BOUNDARY
- APPROXIMATE FAULT ZONE
- NO SATURATED OVERBURDEN (TOP OF BEDROCK > WATER TABLE)
- AREA WHERE HGUs SUBCROP WITH UPWARD VERTICAL HYDRAULIC GRADIENTS RESULTING IN MITIGATION OF GROUNDWATER FROM BEDROCK TO OVERBURDEN
- FORMER HOFFMANN-LA ROCHE INC. FACILITY PROPERTY BOUNDARY
- INVESTIGATIVE AREA (IA)
- OFF-SITE PROPERTY BOUNDARY
- ROADWAY
- RAILROAD
- ST. PAUL'S BROOK
- SPRINGER BROOK (CULVERT)
- ST. PAUL'S BROOK (CULVERT)
- VALLEY DRAIN
- FORMER VALLEY DRAIN
- CLIFTON-ALLWOOD MUNICIPAL SEWER
- FORMER CLIFTON-ALLWOOD MUNICIPAL SEWER
- NUTLEY MUNICIPAL SEWER
- TRUNK SEWER

LTM NETWORK - WELL LOCATIONS

- MW-21 — SHALLOW GROUNDWATER WELL LOCATION
- MW-213C — HGU 1 WELL LOCATION
- MW-307S — HGU 2 WELL LOCATION
- MW-407S — HGU 3 WELL LOCATION
- MW-311 — HGU 4 WELL LOCATION
- DW-07A — HGU 5 WELL LOCATION
- MW-205S — GROUNDWATER ELEVATION DATA AT THIS WELL NOT USED FOR CONTOURS

OTHER ACTIVE WELLS (NOT PART OF LTM NETWORK)

- MW-401C — GROUNDWATER ELEVATION WAS NOT MEASURED AT THIS WELL

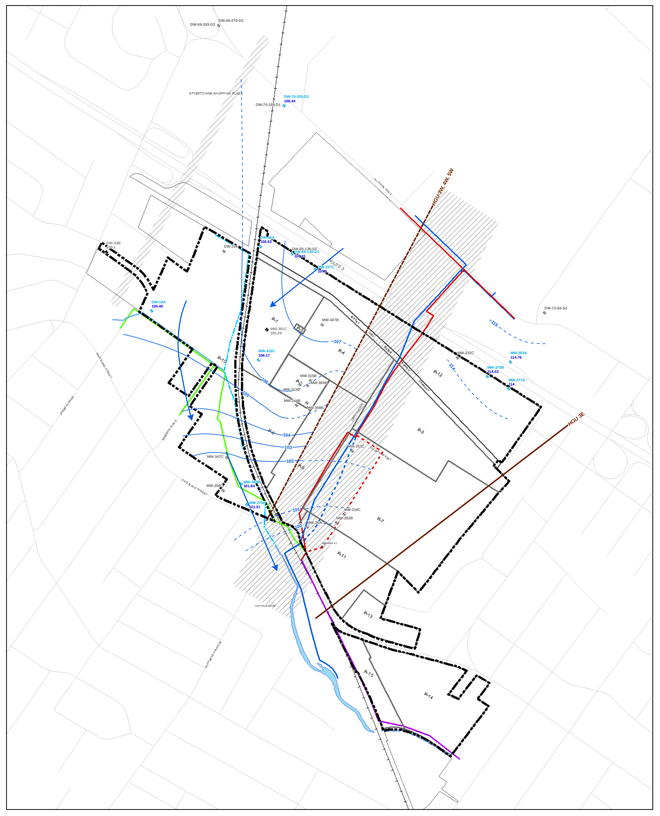
Data from Reporting Period - 2Q 2021

MW-21 (Well ID)
124.21 (Groundwater Elevation in ft msl)

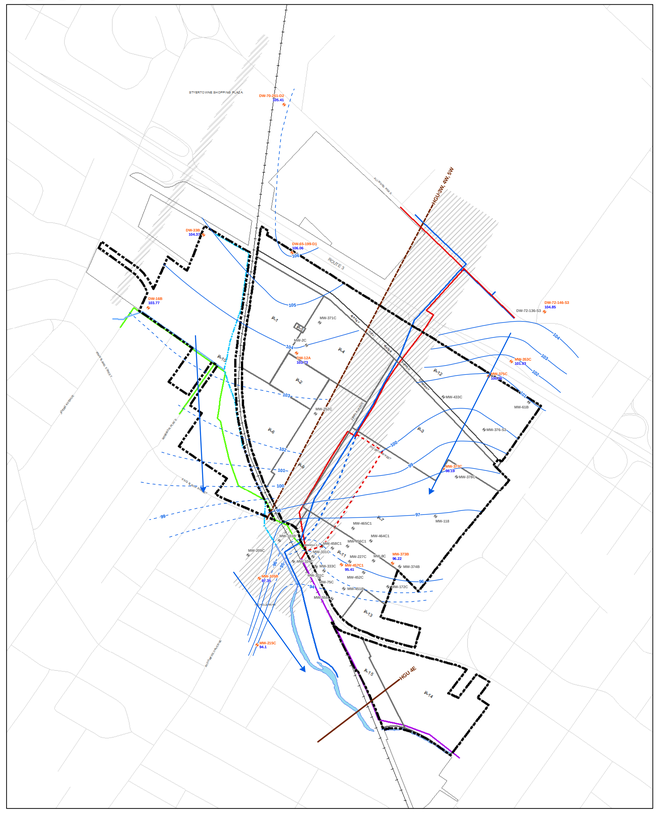
NOTES

1. LTM = LONG-TERM MONITORING
2. HGU = HYDROGEOLOGIC UNIT
3. GWE = GROUNDWATER ELEVATION
4. FT. MSL = FEET RELATIVE TO MEAN SEA LEVEL
5. THIS REPORT DEPICTS THE GROUNDWATER ELEVATION DATA AND POTENTIOMETRIC SURFACE CONTOURS WITHIN HGUs.
6. HGUs DIP TO THE NORTHWEST AND THEREFORE HGUs 1, 2, 3, AND 4 ARE NOT UNIFORMLY PRESENT BENEATH THE ENTIRE SITE AS THEY SUBCROP (i.e., INTERSECT THE OVERBURDEN) FROM WEST TO EAST ACROSS THE SITE. HGU SUBCROP BOUNDARIES FOR HGUs 1, 2, 3, AND 4 ARE SHOWN AND THE RESPECTIVE HGUs ARE NOT PRESENT EAST OF THESE LINES.
7. HGUS AND THE HISTORY OF WATER-LEVEL MEASUREMENTS AT THE SITE ARE DESCRIBED IN SECTION 1.2.4 OF THE GROUNDWATER REMEDIAL ACTION REPORT (TRC, NOVEMBER 8, 2021).
8. "SHALLOW GROUNDWATER" IS DEFINED AS THE UPPER THIRTY FEET OF THE SATURATED ZONE.
9. FOR PRESENTATION PURPOSES, WELLS WITHIN THE CLIFTON-ALLWOOD MUNICIPAL SEWER (CAMS) FAULT ZONE ARE DIVIDED ALONG THE CENTERLINE (EAST/WEST) OF THE FAULT ZONE FOR PROVISIONAL ASSIGNMENT OF HGUs.
10. GROUNDWATER ELEVATION DATA WERE COLLECTED DURING THE 2Q 2021 SITE-WIDE GROUNDWATER LONG-TERM MONITORING EVENT.
11. AS DEFINED IN THE JANUARY 2018 CSM REPORT, ONLY WELLS SCREENED IN THE MIDDLE OF THE HGUs ARE DEPICTED ON THIS FIGURE. SEE NOTE 8 REGARDING SHALLOW GROUNDWATER WELL SELECTION.
12. DECOMMISSIONED WELLS ARE NOT DEPICTED ON THIS FIGURE.

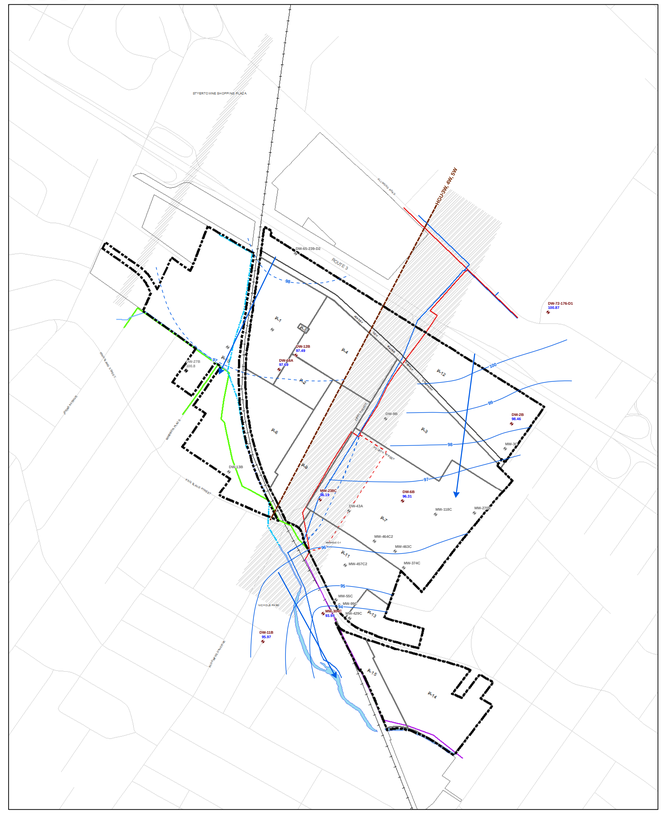
HGU 3

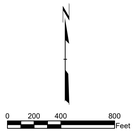


HGU 4



HGU 5





PROJECT:	FORMER HOFFMANN-LA ROCHE INC. FACILITY NUTLEY, NEW JERSEY
TITLE:	2Q 2021 LTM POTENTIOMETRIC SURFACE MAPS
DATE: JULY 2024	PROJ. NO.: 19033
	ATTACHMENT 2 FIGURE 1

TRC
41 Spring Street, Suite 102
New Providence, NJ 07974
Phone: 908.988.1700
www.TRCcompanies.com

FILE NO.: 2021 GWEC.mxd

Plot Date: 7/18/2024, 1:46:46 PM by LBOCHUIS, - LAYOUT: ANSI D (22"x34")
Path: M:\Arc\GIS Files\19033\MXD\2021 GWEC.mxd

SHALLOW GROUNDWATER

HGU 1

HGU 2

LEGEND

- GROUNDWATER ELEVATION CONTOUR (ft msl)
- INFERRED GROUNDWATER ELEVATION CONTOUR (ft msl) BASED ON PRE-LTM (2019) GROUNDWATER ELEVATION MEASUREMENTS
- GROUNDWATER FLOW DIRECTION
- HGU SUBCROP BOUNDARY
- INFERRED HGU SUBCROP BOUNDARY
- APPROXIMATE FAULT ZONE
- NO SATURATED OVERBURDEN (TOP OF BEDROCK > WATER TABLE)
- AREA WHERE HGUs SUBCROP WITH UPWARD VERTICAL HYDRAULIC GRADIENTS RESULTING IN MITIGATION OF GROUNDWATER FROM BEDROCK TO OVERBURDEN
- FORMER HOFFMANN-LA ROCHE INC. FACILITY PROPERTY BOUNDARY
- INVESTIGATIVE AREA (IA)
- OFF-SITE PROPERTY BOUNDARY
- ROADWAY
- RAILROAD
- ST. PAUL'S BROOK
- SPRINGER BROOK (CULVERT)
- ST. PAUL'S BROOK (CULVERT)
- VALLEY DRAIN
- FORMER VALLEY DRAIN
- CLIFTON-ALLWOOD MUNICIPAL SEWER
- FORMER CLIFTON-ALLWOOD MUNICIPAL SEWER
- NUTLEY MUNICIPAL SEWER
- TRUNK SEWER

LTM NETWORK - WELL LOCATIONS

- MW-21 — SHALLOW GROUNDWATER WELL LOCATION
- MW-212C — HGU 1 WELL LOCATION
- DW-107S — HGU 2 WELL LOCATION
- MW-107A — HGU 3 WELL LOCATION
- MW-201I — HGU 4 WELL LOCATION
- DW-67A — HGU 5 WELL LOCATION
- MW-205A — GROUNDWATER ELEVATION DATA AT THIS WELL NOT USED FOR CONTOURS

OTHER ACTIVE WELLS (NOT PART OF LTM NETWORK)

- MW-301C — GROUNDWATER ELEVATION WAS NOT MEASURED AT THIS WELL

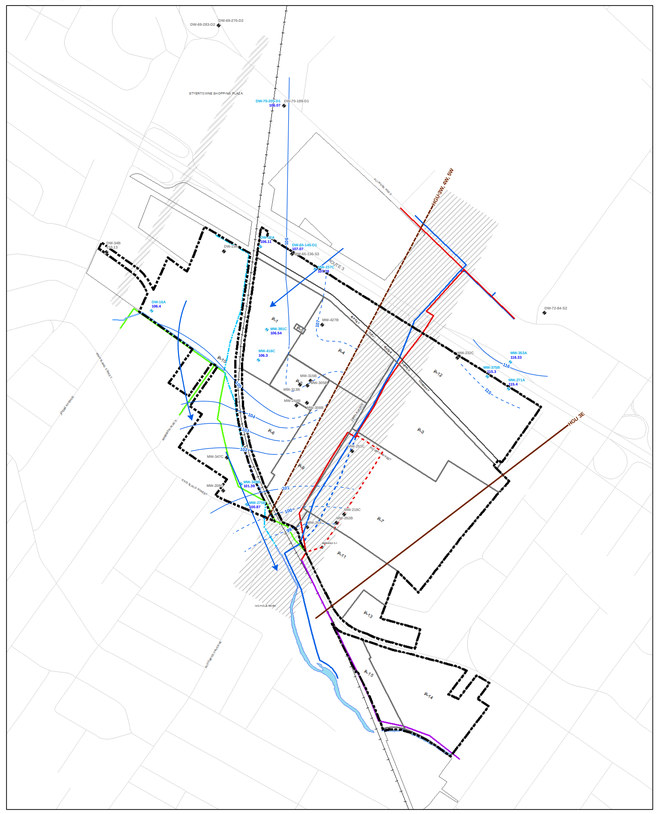
Data from Reporting Period - 2Q 2022

MW-21 → Well ID
99.15 → Groundwater Elevation in ft msl

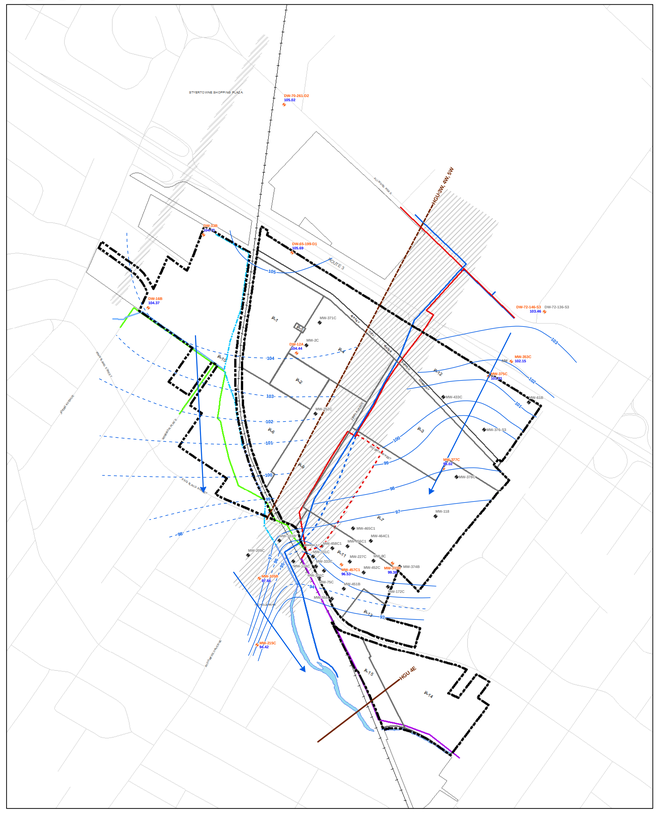
NOTES

1. HGU = HYDROGEOLOGIC UNIT
2. GWE = GROUNDWATER ELEVATION
3. FT. MSL = FEET RELATIVE TO MEAN SEA LEVEL
4. THIS REPORT DEPICTS THE GROUNDWATER ELEVATION DATA AND POTENTIOMETRIC SURFACE CONTOURS WITHIN HGUs.
5. HGUs DIP TO THE NORTHWEST AND THEREFORE HGUs 1, 2, 3, AND 4 ARE NOT UNIFORMLY PRESENT BENEATH THE ENTIRE SITE AS THEY SUBCROP (i.e., INTERSECT THE OVERBURDEN) FROM WEST TO EAST ACROSS THE SITE. HGU SUBCROP BOUNDARIES FOR HGUs 1, 2, 3, AND 4 ARE SHOWN AND THE RESPECTIVE HGUs ARE NOT PRESENT EAST OF THESE LINES.
6. "SHALLOW GROUNDWATER" IS DEFINED AS THE UPPER THIRTY FEET OF THE SATURATED ZONE.
7. FOR PRESENTATION PURPOSES, WELLS WITHIN THE CLIFTON-ALLWOOD MUNICIPAL SEWER (CAMS) FAULT ZONE ARE DIVIDED ALONG THE CENTERLINE (EAST/WEST) OF THE FAULT ZONE FOR PROVISIONAL ASSIGNMENT OF HGUs.
8. GROUNDWATER ELEVATION DATA WERE COLLECTED DURING THE 2Q 2022 SITE-WIDE GROUNDWATER LONG-TERM MONITORING EVENT.
9. AS DEFINED IN THE JANUARY 2018 CSM REPORT, ONLY WELLS SCREENED IN THE MIDDLE OF THE HGUs ARE DEPICTED ON THIS FIGURE. SEE NOTE 6 REGARDING SHALLOW GROUNDWATER WELL SELECTION.
10. DECOMMISSIONED WELLS ARE NOT DEPICTED ON THIS FIGURE.

HGU 3



HGU 4



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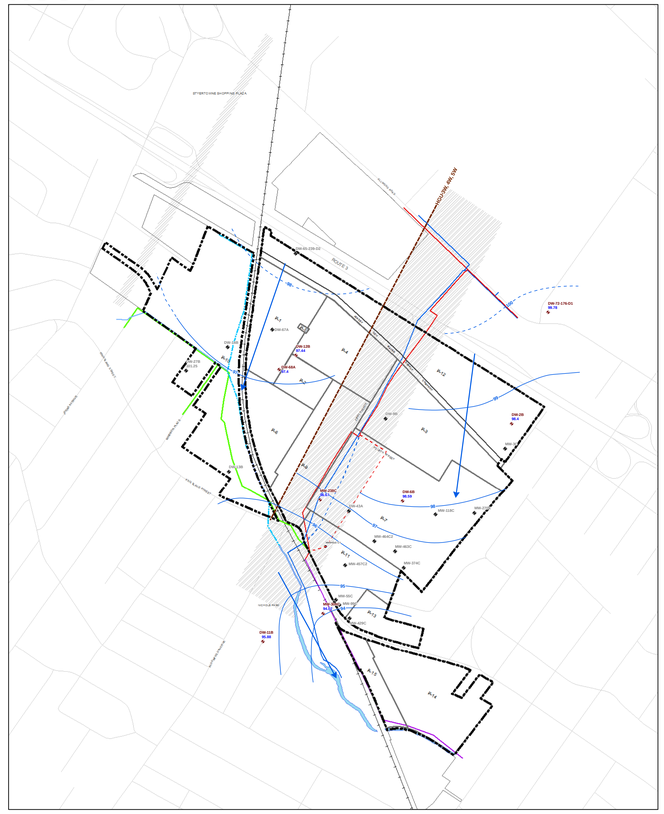
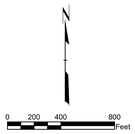




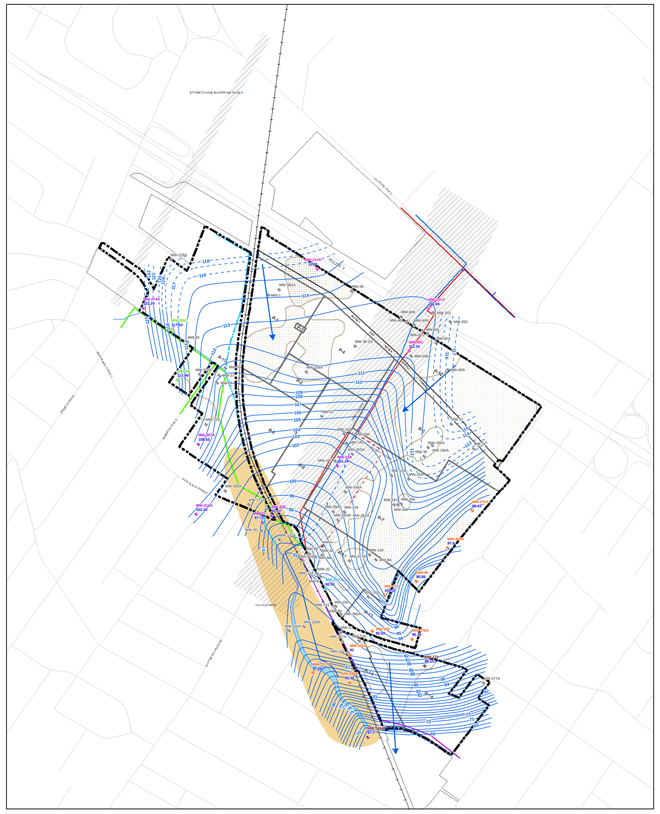
PROJECT:	FORMER HOFFMANN-LA ROCHE INC. FACILITY NUTLEY, NEW JERSEY
TITLE:	2Q 2022 LTM POTENTIOMETRIC SURFACE MAPS
DATE: JULY 2024	PROJ. NO.: 196233
	ATTACHMENT 2 FIGURE 2

TRC
41 Spring Street, Suite 102
New Providence, NJ 07974
Phone: 908.958.1700
www.TRCcompanies.com

FILE NO.: 2022 GWEC.mxd

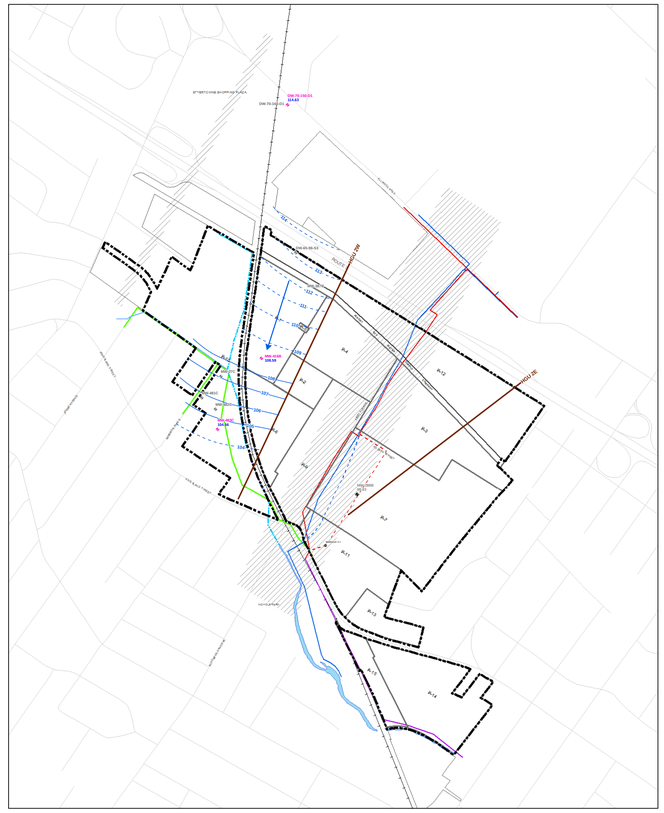
Plot Date: 7/29/2024, 11:51:55 AM by JJROGERS, - LAYOUT: ANSI D (22"x34")
Path: M:\ACAD\$\Projects\196233_LTM\2024\2022 GWEC.mxd

SHALLOW GROUNDWATER



HGU 1

HGU 2



LEGEND

- GROUNDWATER ELEVATION CONTOUR (ft msl)
- INFERRED GROUNDWATER ELEVATION CONTOUR (ft msl) BASED ON PRE-LTM (2019) GROUNDWATER ELEVATION MEASUREMENTS
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- INFERRED HGU SUBCROP BOUNDARY
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- RAILROAD
- ST. PAUL'S BROOK
- SPRINGER BROOK (CULVERT)
- ST. PAUL'S BROOK (CULVERT)
- VALLEY DRAIN
- FORMER VALLEY DRAIN
- CLIFTON-ALLWOOD MUNICIPAL SEWER
- FORMER CLIFTON-ALLWOOD MUNICIPAL SEWER
- NUTLEY MUNICIPAL SEWER
- TRUNK SEWER

LTM NETWORK - WELL LOCATIONS

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- MW-307S — HGU 2 WELL LOCATION
- MW-407S — HGU 3 WELL LOCATION
- MW-371C — HGU 4 WELL LOCATION
- DW-07A — HGU 5 WELL LOCATION
- MW-205S — GROUNDWATER ELEVATION DATA AT THIS WELL NOT USED FOR CONTOURS

OTHER ACTIVE WELLS (NOT PART OF LTM NETWORK)

- MW-401C — GROUNDWATER ELEVATION WAS NOT MEASURED AT THIS WELL

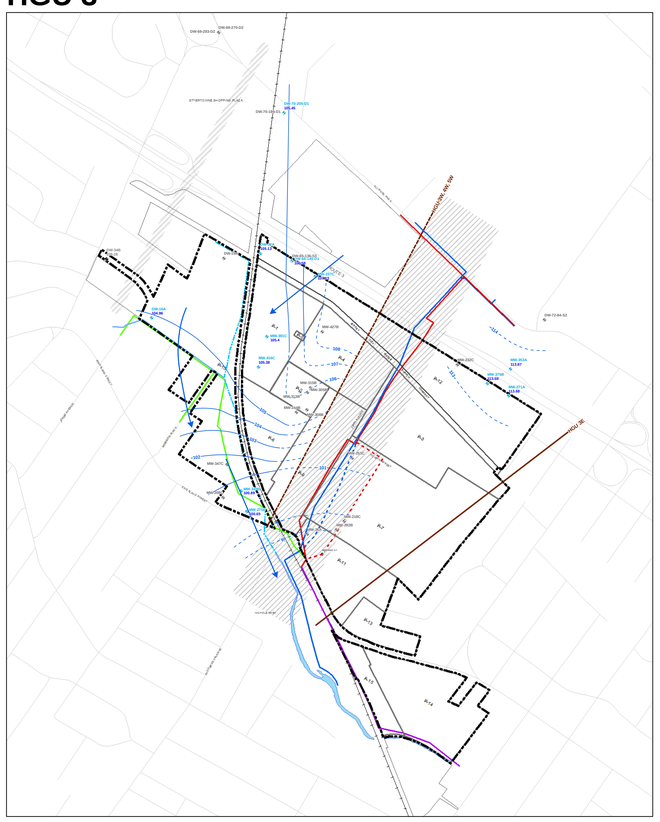
Data from Reporting Period - 2Q 2023

MW-21 → Well ID
99.45 → Groundwater Elevation in ft msl

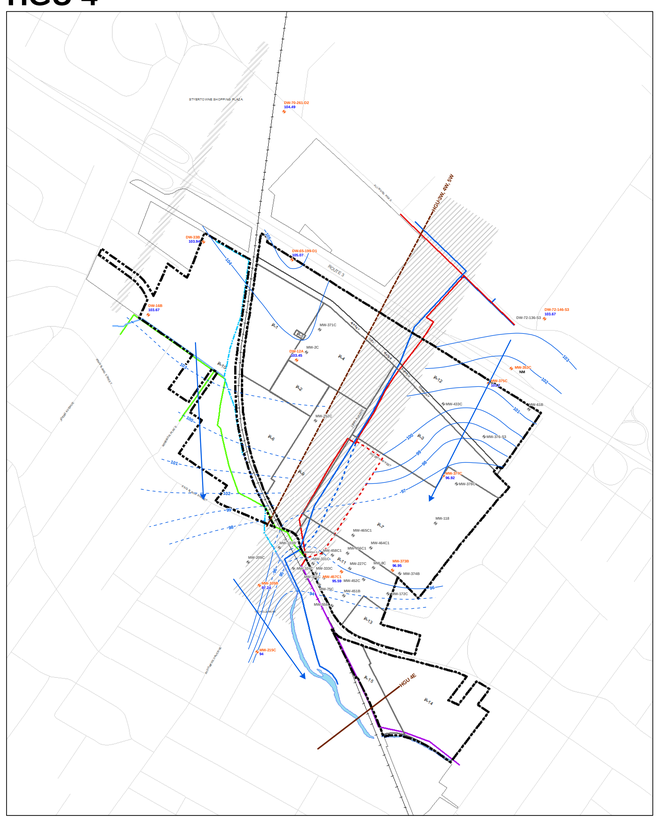
NOTES

1. LTM = LONG-TERM MONITORING
2. HGU = HYDROGEOLOGIC UNIT
3. GWE = GROUNDWATER ELEVATION
4. FT. MSL = FEET RELATIVE TO MEAN SEA LEVEL
5. THIS REPORT DEPICTS THE GROUNDWATER ELEVATION DATA AND POTENTIOMETRIC SURFACE CONTOURS WITHIN HGUs.
6. HGUs DIP TO THE NORTHWEST AND THEREFORE HGUs 1, 2, 3, AND 4 ARE NOT UNIFORMLY PRESENT BENEATH THE ENTIRE SITE AS THEY SUBCROP (i.e., INTERSECT THE OVERBURDEN) FROM WEST TO EAST ACROSS THE SITE. HGU SUBCROP BOUNDARIES FOR HGUs 1, 2, 3, AND 4 ARE SHOWN AND THE RESPECTIVE HGUs ARE NOT PRESENT EAST OF THESE LINES.
7. HGUS AND THE HISTORY OF WATER-LEVEL MEASUREMENTS AT THE SITE ARE DESCRIBED IN SECTION 1.2.4 OF THE GROUNDWATER REMEDIAL ACTION REPORT (TRC, NOVEMBER 8, 2021).
8. "SHALLOW GROUNDWATER" IS DEFINED AS THE UPPER THIRTY FEET OF THE SATURATED ZONE.
9. FOR PRESENTATION PURPOSES, WELLS WITHIN THE CLIFTON-ALLWOOD MUNICIPAL SEWER (CAMS) FAULT ZONE ARE DIVIDED ALONG THE CENTERLINE (EAST/WEST) OF THE FAULT ZONE FOR PROVISIONAL ASSIGNMENT OF HGUs.
10. GROUNDWATER ELEVATION DATA WERE COLLECTED DURING THE 2Q 2023 SITE-WIDE GROUNDWATER LONG-TERM MONITORING EVENT.
11. AS DEFINED IN THE JANUARY 2018 CSM REPORT, ONLY WELLS SCREENED IN THE MIDDLE OF THE HGUs ARE DEPICTED ON THIS FIGURE. SEE NOTE 6 REGARDING SHALLOW GROUNDWATER WELL SELECTION.
12. DECOMMISSIONED WELLS ARE NOT DEPICTED ON THIS FIGURE.
13. WATER LEVEL WAS NOT MEASURED (NM) IN MONITORING WELL MW-353C DURING THIS LTM EVENT.

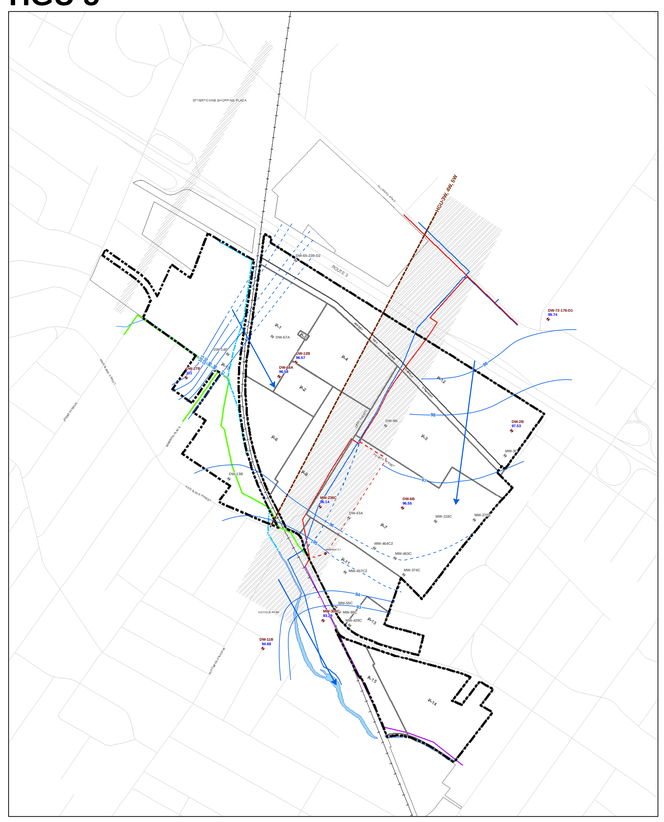
HGU 3

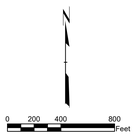


HGU 4



HGU 5





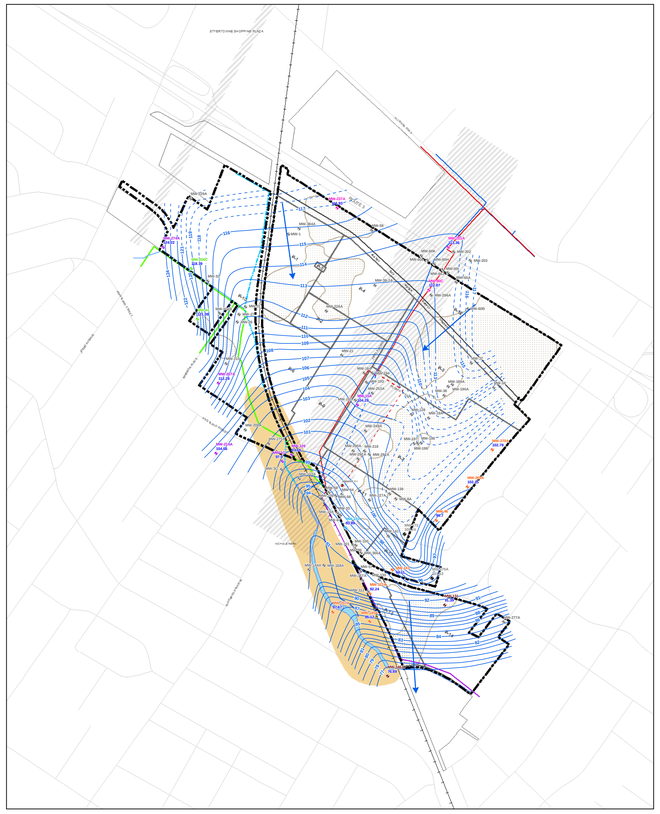
PROJECT:	FORMER HOFFMANN-LA ROCHE INC. FACILITY NUTLEY, NEW JERSEY
TITLE:	2Q 2023 LTM POTENTIOMETRIC SURFACE MAPS
DATE: APRIL 2024	PROJ. NO.: 196033
	ATTACHMENT 2 FIGURE 3

TRC
41 Spring Street, Suite 102
New Providence, NJ 07974
Phone: 908.988.1700
www.TRCcompanies.com

FILE NO.: 2023 GWEC.mxd

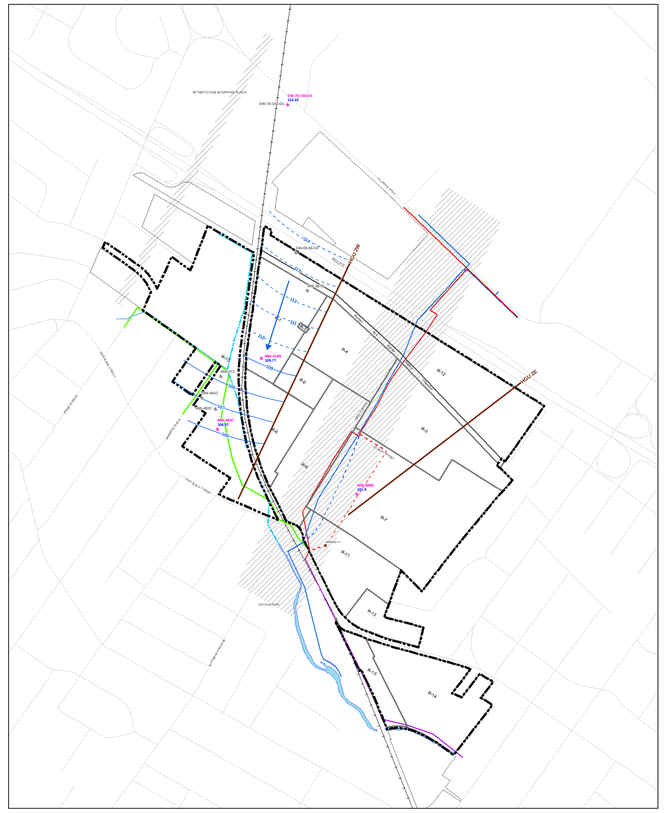
Plot Date: 4/24/2024 - 12:20:15 PM by LBOCHARD - LAYOUT: ANSI D (22"X34")
Path: M:\AGE\Projects\196033.TM\GIS\2023_GWEC.mxd

SHALLOW GROUNDWATER



HGU 1

HGU 2



LEGEND

- GROUNDWATER ELEVATION CONTOUR (ft msl)
- INFERRED GROUNDWATER ELEVATION CONTOUR (ft msl) BASED ON PRE-LTM (2019) GROUNDWATER ELEVATION MEASUREMENTS
- GROUNDWATER FLOW DIRECTION
- HGU SUBCROP BOUNDARY
- INFERRED HGU SUBCROP BOUNDARY
- APPROXIMATE FAULT ZONE
- NO SATURATED OVERBURDEN (TOP OF BEDROCK > WATER TABLE)
- AREA WHERE HGUs SUBCROP WITH UPWARD VERTICAL HYDRAULIC GRADIENTS RESULTING IN MITIGATION OF GROUNDWATER FROM BEDROCK TO OVERBURDEN
- FORMER HOFFMANN-LA ROCHE INC. FACILITY PROPERTY BOUNDARY
- INVESTIGATIVE AREA (IA)
- OFF-SITE PROPERTY BOUNDARY
- ROADWAY
- RAILROAD
- ST. PAUL'S BROOK
- SPRINGER BROOK (CULVERT)
- ST. PAUL'S BROOK (CULVERT)
- VALLEY DRAIN
- FORMER VALLEY DRAIN
- CLIFTON-ALLWOOD MUNICIPAL SEWER
- FORMER CLIFTON-ALLWOOD MUNICIPAL SEWER
- NUTLEY MUNICIPAL SEWER
- TRUNK SEWER

LTM NETWORK - WELL LOCATIONS

- MW-21 — SHALLOW GROUNDWATER WELL LOCATION
- MW-213C — HGU 1 WELL LOCATION
- MW-307B — HGU 2 WELL LOCATION
- MW-407B — HGU 3 WELL LOCATION
- MW-201C — HGU 4 WELL LOCATION
- DW-07A — HGU 5 WELL LOCATION
- MW-205B — GROUNDWATER ELEVATION DATA AT THIS WELL NOT USED FOR CONTOURS

OTHER ACTIVE WELLS (NOT PART OF LTM NETWORK)

- MW-401C — GROUNDWATER ELEVATION WAS NOT MEASURED AT THIS WELL

Data from Reporting Period -1Q 2024

MW-307B → Well ID
102.97 → Groundwater Elevation in ft msl

NOTES

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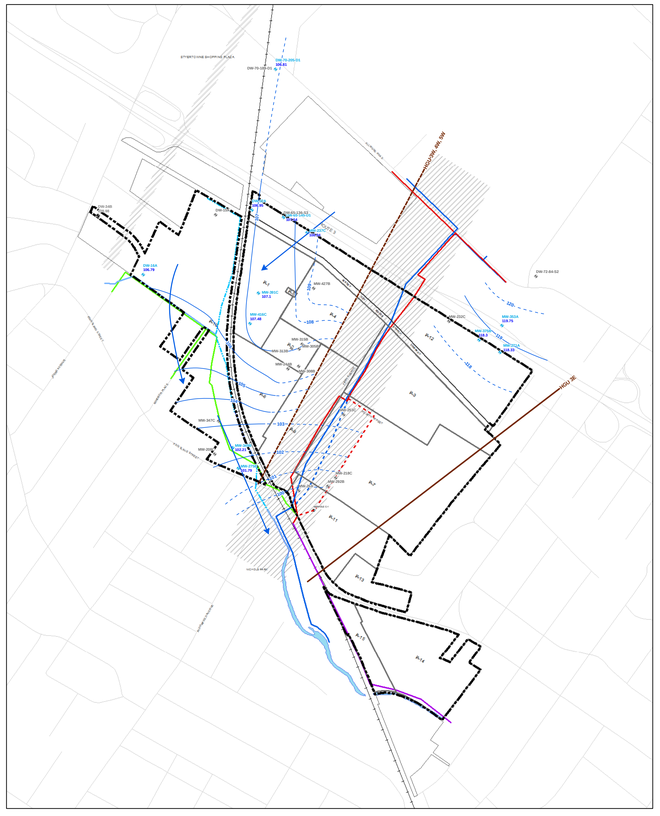
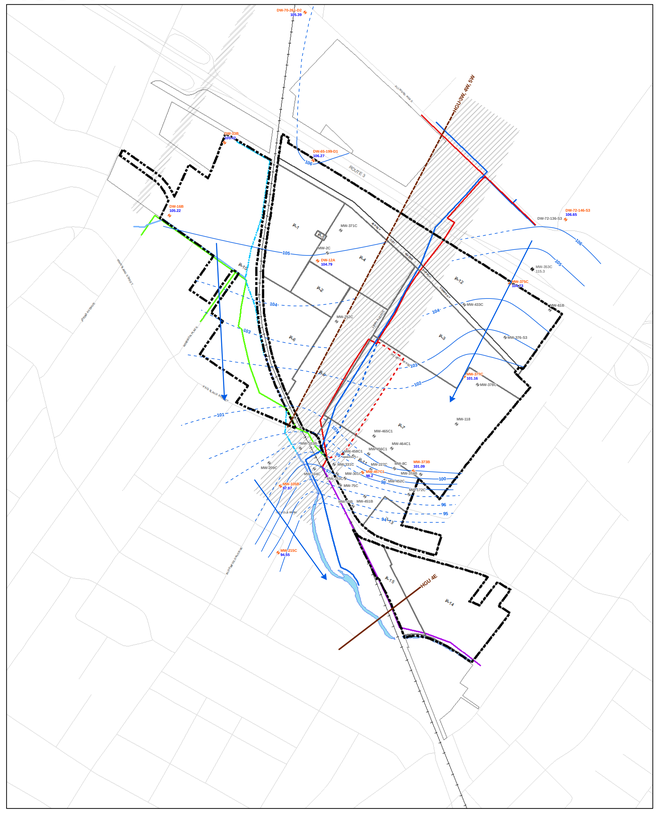
7. HGUS AND THE HISTORY OF WATER-LEVEL MEASUREMENTS AT THE SITE ARE DESCRIBED IN SECTION 1.2.4 OF THE GROUNDWATER REMEDIAL ACTION REPORT (TRC, NOVEMBER 8, 2021).
8. "SHALLOW GROUNDWATER" IS DEFINED AS THE UPPER THIRTY FEET OF THE SATURATED ZONE.
9. FOR PRESENTATION PURPOSES, WELLS WITHIN THE CLIFTON-ALLWOOD MUNICIPAL SEWER (CAMS) FAULT ZONE ARE DIVIDED ALONG THE CENTERLINE (EAST/WEST) OF THE FAULT ZONE FOR PROVISIONAL ASSIGNMENT OF HGUs.
10. GROUNDWATER ELEVATION DATA WERE COLLECTED DURING THE 1Q 2024 SITE-WIDE GROUNDWATER LONG-TERM MONITORING EVENT.
11. AS DEFINED IN THE JANUARY 2018 CSM REPORT, ONLY WELLS SCREENED IN THE MIDDLE OF THE HGUs ARE DEPICTED ON THIS FIGURE. SEE NOTE 8 REGARDING SHALLOW GROUNDWATER WELL SELECTION.
12. DECOMMISSIONED WELLS ARE NOT DEPICTED ON THIS FIGURE.
13. A TEMPORARY RISER IN WELL MW-80C WAS PRESENT AT THE TIME OF GAUGING.

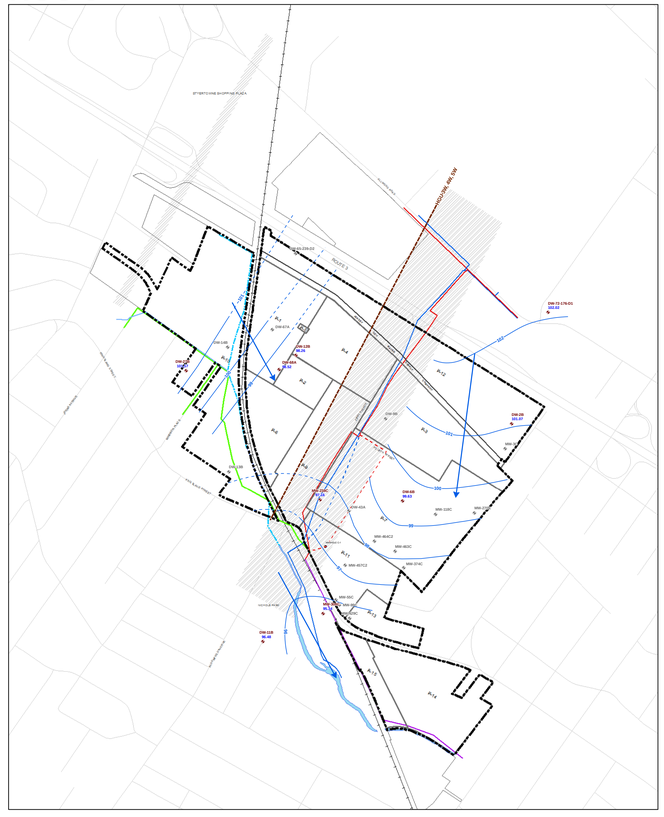
HGU 3



HGU 4



HGU 5



0 200 400 800 Feet

PROJECT:	FORMER HOFFMANN-LA ROCHE INC. FACILITY NUTLEY, NEW JERSEY
TITLE:	1Q 2024 LTM POTENTIOMETRIC SURFACE MAPS
DATE: JUNE 2024	PROJ. NO.: 19633
	ATTACHMENT 2 FIGURE 4

TRC
41 Spring Street, Suite 102
New Providence, NJ 07974
Phone: 908.988.1700
www.TRCcompanies.com

FILE NO.: 2024 Q1 GWEC.mxd

Plot Date: 6/4/2024, 12:39:09 PM by LBOCHNIS - LAYOUT: ANSI D (22"x34")
Path: M:\ArcGIS Files\19000s\19633\2024\2024 Q1 GWEC.mxd

ATTACHMENT 3

Roche Groundwater Biennial Certification

Well Inspection Reports

2022 – 2024

Attachment 3

Well Inspection Reports - 2022

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
138RI-MW1R	E202010338	well	729698.5	586409.1	Flush Mount	PVC	2	32	22 - 32	4/5/2022	12:20	Yes						NA
66RI-MW4	E201304931	well	730201.6	586648.3	Flush Mount	PVC	2	15.4	8.4 - 15.4	4/5/2022	12:51	Yes						NA
DW-16A	E201300231	well	729998.8	585961.9	Flush Mount	Steel	2	218.1	208.1 - 218.1	4/5/2022	12:00	Yes						NA
DW-16B	E201300232	well	730015.7	585937.3	Flush Mount	Steel	2	298.4	288.4 - 298.4	4/5/2022	12:07	Yes						All bolts bent. Unbend and remove bolts, replace 1 bolt.
DW-16C	E201301078	well	729997.3	585932.2	Flush Mount	Steel	4	444.4	419.4 - 444.4	4/5/2022	12:05	Yes						NA
DW-28A	E201402669	well	729432.3	588599.1	Flush Mount	Steel	2	189	179 - 189	4/5/2022	10:13	Yes						NA
DW-28B	E201402668	well	729432.8	588590.5	Flush Mount	Steel	2	321	306 - 321	4/5/2022	10:10	Yes						NA
DW-29B	E201315491	well	729594.5	588339	Flush Mount	Steel	2	300	275 - 300	4/5/2022	09:41	Yes						NA
DW-29C	E201402670	well	729581.4	588345.8	Flush Mount	Steel	4	442	432 - 442	4/5/2022	09:43	Yes						Lid was off. Well intact.
DW-2B	E201217456	well	729154.4	588619.2	Flush Mount	Steel	2	136	126 - 136	4/5/2022	10:43	Yes						NA
DW-2-D2	E201402664	well	729123.3	588637.5	Flush Mount	Steel	2	300	275 - 300	4/5/2022	10:50	Yes						NA
DW-30B	E201315493	well	729995	587688.5	Flush Mount	Steel	2	260	250 - 260	4/5/2022	09:06	Yes						NA
DW-31C	E201402878	well	730293.3	587198	Flush Mount	Steel	4	440	415 - 440	4/5/2022	08:37	Yes						NA
DW-32A	E201318587	well	730479.2	586772.9	Flush Mount	Steel	2	164	154 - 164	4/5/2022	08:52	Yes						NA
DW-32B	E201315585	well	730469.5	586772.7	Flush Mount	Steel	2	301.1	276.1 - 301.1	4/5/2022	08:51	Yes						NA
DW-33A	E201401464	well	730549.1	586343.9	Flush Mount	Steel	2	161.26	151.26 - 161.26	4/5/2022	13:50	Yes						NA
DW-33B	E201318598	well	730558.6	586347.9	Flush Mount	Steel	2	280.27	270.27 - 280.27	4/5/2022	13:53	Yes						NA
DW-33C	E201402654	well	730544.6	586356	Flush Mount	Steel	4	426.16	401.16 - 426.16	4/5/2022	14:04	Yes						NA
DW-65-73-S2	E201610167	well	730424.8	587008.9	Flush Mount	PVC	2	73	69 - 73	4/5/2022	08:33	Yes						NA
DW-67B	E201509857	well	729861.1	586836.9	Flush Mount	Steel	2	274.9	264.9 - 274.9	4/5/2022	14:38	Yes						NA
DW-8A	E201217453	well	729677.7	587898.5	Flush Mount	Steel	2	126	116 - 126	4/5/2022	09:17	Yes						NA
DW-8B	E201217458	well	729655.5	587883.7	Flush Mount	Steel	2	192	182 - 192	4/5/2022	09:14	Yes						NA
DW-8C	E201217463	well	729649.7	587904.2	Flush Mount	Steel	2	307	297 - 307	4/5/2022	09:12	Yes						NA
MW-114	P200910160	well	729160.4	588646.5	Flush Mount	Steel	6	80	60 - 80	4/5/2022	10:40	Yes						Pad in poor condition
MW-114A	E201403604	well	729164.7	588661.5	Flush Mount	PVC	2	75	65 - 75	4/5/2022	10:35	Yes						NA
MW-16	2600012044	well	730345.7	586785.3	Flush Mount	PVC	4	13.8	3.8 - 13.8	4/5/2022	08:47	Yes						NA
MW-174	E201303564	well	729572.8	587513.8	Flush Mount	Steel	6	38	28 - 38	4/5/2022	15:34	Yes						NA
MW-206B	E201304512	well	729862.6	586092.4	Flush Mount	PVC	2	51.5	41.5 - 51.5	4/5/2022	11:55	Yes						NA
MW-206C	E201302486	well	729854	586105.2	Flush Mount	PVC	2	81.5	61.5 - 81.5	4/5/2022	11:50	Yes						NA
MW-230C	E201315813	well	730479.7	586549.3	Flush Mount	PVC	2	80.8	60.8 - 80.8	4/5/2022	14:12	Yes						NA
MW-237A	E201311727	well	730306	587192	Flush Mount	Steel	6	30	20 - 30	4/5/2022	08:36	Yes						NA
MW-237C	E201315220	well	730310.7	587182.9	Flush Mount	PVC	2	120	110 - 120	4/5/2022	08:35	Yes						NA
MW-24	2600036932	well	729720.2	587875.7	Flush Mount	Steel	6	41.7	31.7 - 41.7	4/5/2022	09:24	Yes						NA
MW-24C	E201316485	well	729540.5	587718.5	Flush Mount	PVC	2	49.4	29.4 - 49.4	4/5/2022	15:39	Yes						NA
MW-259BR	E202010337	well	729843.9	586232.1	Flush Mount	PVC	2	45	35 - 45	4/5/2022	11:34	Yes						NA
MW-265B	E201318473	well	729994	587679.7	Flush Mount	PVC	2	50	40 - 50	4/5/2022	09:04	Yes						NA
MW-265C	E201403229	well	730002.1	587665.6	Flush Mount	PVC	2	100	90 - 100	4/5/2022	09:02	Yes						NA
MW-266A	E201318470	well	730470.2	586765.4	Flush Mount	PVC	2	37.8	27.8 - 37.8	4/5/2022	08:50	Yes						NA
MW-266B	E201318471	well	730461	586763.8	Flush Mount	PVC	2	70	60 - 70	4/5/2022	08:48	Yes						NA
MW-266C	E201318472	well	730459.4	586771.3	Flush Mount	PVC	2	95	85 - 95	4/5/2022	08:49	Yes						NA
MW-271A	E201404694	well	729418	588622.5	Flush Mount	PVC	2	60	50 - 60	4/5/2022	10:20	Yes						NA
MW-271B	E201404618	well	729420.1	588609.8	Flush Mount	PVC	2	95	85 - 95	4/5/2022	10:16	Yes						NA
MW-271C	E201404615	well	729404.8	588618.4	Flush Mount	PVC	2	135	125 - 135	4/5/2022	10:24	Yes						NA
MW-273B	E201401462	well	730565.1	586351.6	Flush Mount	PVC	2	51.47	41.47 - 51.47	4/5/2022	13:57	Yes						NA
MW-273C	E201401463	well	730554.6	586357.6	Flush Mount	PVC	2	102.17	92.17 - 102.17	4/5/2022	14:00	Yes						NA
MW-274A	E201404620	well	730012.7	585896.9	Flush Mount	PVC	2	20	5 - 20	4/5/2022	12:10	Yes						NA
MW-274B	E201404621	well	730023.7	585902.8	Flush Mount	PVC	2	65	55 - 65	4/5/2022	12:13	Yes						NA
MW-274C	E201404622	well	730034.5	585909.7	Flush Mount	PVC	2	95	85 - 95	4/5/2022	12:15	Yes						NA
MW-286A	E201401095	well	729818.7	586249.3	Flush Mount	PVC	2	10.27	2.27 - 10.27	4/5/2022	11:40	Yes						NA
MW-295A	E201404289	well	729711.1	587944.9	Flush Mount	PVC	2	25	10 - 25	4/5/2022	09:33	Yes						NA
MW-295C	E201511978	well	729709.5	587940.4	Flush Mount	steel	6	84.7	76.7 - 84.7	4/5/2022	09:36	Yes						NA
MW-351C	E201409431	well	729456.4	587469.9	Flush Mount	PVC	2	87.52	62.52 - 87.52	4/5/2022	15:44	Yes						NA
MW-357A	E201409766	well	729942.4	587128.4	Flush Mount	Steel	6	25.4	15.4 - 25.4	4/5/2022	15:28	Yes						NA
MW-375A	E201414287	well	729520.3	588450.6	Flush Mount	Steel	6	54	34 - 54	4/5/2022	09:50	Yes						NA

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
MW-375B	E201414288	well	729510.8	588465.3	Flush Mount	PVC	2	78	68 - 78	4/5/2022	09:53	Yes						NA
MW-375C	E201414289	well	729505.9	588473.5	Flush Mount	PVC	2	135	115 - 135	4/5/2022	09:55	Yes						NA
MW-376B	E201414290	well	729085.7	588446.8	Flush Mount	PVC	2	86	76 - 86	4/5/2022	11:00	Yes						NA
MW-376C	E201414291	well	729090.6	588440.9	Flush Mount	PVC	2	128	113 - 128	4/5/2022	11:10	Yes						NA
MW-383A	E201415541	well	729799.2	587939.1	Flush Mount	Stainless	2	25	10 - 25	4/5/2022	09:30	Yes						NA
MW-391C	E201415873	well	729860.3	586821	Flush Mount	PVC	2	123.6	113.6 - 123.6	4/5/2022	14:43	Yes						NA
MW-394C	E201415860	well	730153.2	586878.1	Flush Mount	PVC	2	103	93 - 103	4/5/2022	08:56	Yes						NA
MW-58	2600068227	well	730500.4	586874.8	Flush Mount	PVC	2	36	21 - 36	4/5/2022	08:30	Yes						NA
MW-80C	E201316488	well	729693.3	587877.2	Flush Mount	PVC	2	25	10 - 25	4/5/2022	09:22	Yes						NA

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
DW-11B	E201300242	well	727529.8	586764	Flush Mount	Steel	2	100	90 - 100	4/6/2022	14:46	Yes						NA
DW-11D	E201300243	well	727514.7	586755	Flush Mount	Steel	2	450	425 - 450	4/6/2022	14:47	Yes						NA
DW-17C	E201301431	well	726940.4	588315.2	Flush Mount	Steel	2	120	110 - 120	4/6/2022	11:40	Yes						NA
DW-24	E201314457	well	726074	587288.7	Flush Mount	PVC	2	175	150 - 175	4/6/2022	14:32	Yes						NA
DW-34B	E201315235	well	730437.9	585625.2	Flush Mount	Steel	2	300	275 - 300	4/6/2022	07:35	Yes						NA
DW-37B	E201400890	well	728464.3	588325.2	Flush Mount	Steel	4	299.6	289.6 - 299.6	4/6/2022	08:30	Yes						NA
DW-38A	E201401595	well	728209.8	588146	Flush Mount	Steel	2	191	166 - 191	4/6/2022	08:23	Yes						NA
DW-38B	E201400995	well	728215.4	588152.2	Flush Mount	Steel	4	267	247 - 267	4/6/2022	08:20	Yes						NA
DW-39B	E201402679	well	727543.6	587876.6	Flush Mount	Steel	2	296	286 - 296	4/6/2022	13:26	Yes						NA
DW-39C	E201402680	well	727532.4	587873.2	Flush Mount	Steel	4	496	471 - 496	4/6/2022	13:30	Yes						NA
DW-3B	E201218158	well	728010.4	587943.9	Flush Mount	Steel	2	122	112 - 122	4/6/2022	08:02	Yes						NA
DW-3-D2	E201402663	well	728019	587954.5	Flush Mount	Steel	2	300	275 - 300	4/6/2022	08:06	Yes						NA
DW-64A	E201500412	well	729610.1	588651.2	Flush Mount	Steel	2	250	235 - 250	4/6/2022	10:40	Yes						NA
DW-70-83-S3	E201613409	well	731528.9	586948.8	Flush Mount	PVC	2	83.3	75.3 - 83.3	4/6/2022	09:42	Yes						NA
DW-72-120-S3	E201613407	well	729985.6	588890.6	Flush Mount	PVC	2	120.3	116.3 - 120.3	4/6/2022	11:20	Yes						NA
DW-7A	E201411635	well	729994.2	588037.5	Flush Mount	Steel	2	127	112 - 127	4/6/2022	10:03	Yes						NA
DW-7B	E201305678	well	729990.1	588047.7	Flush Mount	Steel	2	180	165 - 180	4/6/2022	09:55	Yes						NA
DW-7C	E201305675	well	729993.3	588054.2	Flush Mount	Steel	2	345	335 - 345	4/6/2022	09:53	Yes						NA
DW-7D	E201305674	well	730001.1	588041.5	Flush Mount	Steel	4	450	425 - 450	4/6/2022	09:59	Yes						NA
MW-104B	P200804398	well	728107.8	587026.2	Flush Mount	Steel	6	34	24 - 34	4/6/2022	14:12	Yes						NA
MW-106A	P200804390	well	727971.4	587094.4	Flush Mount	PVC	2	13	8 - 13	4/6/2022	14:09	Yes						NA
MW-106B	P200804400	well	727960.4	587097.7	Flush Mount	Steel	6	34	24 - 34	4/6/2022	14:07	Yes						NA
MW-112A	E201412398	well	727429.8	587436.7	Flush Mount	PVC	2	15	5 - 15	4/6/2022	12:25	Yes						NA
MW-120	P200910157	well	728039	587977.7	Flush Mount	PVC	4	80	30 - 80	4/6/2022	08:10	Yes						NA
MW-124A	E201308748	well	726942.4	587673.9	Flush Mount	PVC	2	25	15 - 25	4/6/2022	12:16	Yes						NA
MW-124B	E201000869	well	726964.8	587683	Flush Mount	Steel	6	34	24 - 34	4/6/2022	12:19	Yes						NA
MW-131	E201113439	well	727346.1	587994.8	Flush Mount	PVC	2	22.5	12.5 - 22.5	4/6/2022	11:53	Yes						NA
MW-131B	E201403623	well	727340.7	587986.9	Flush Mount	PVC	2	37	27 - 37	4/6/2022	11:56	Yes						NA
MW-131C	E201403624	well	727348.9	588002.8	Flush Mount	PVC	2	80	70 - 80	4/6/2022	11:49	Yes						NA
MW-143	E201115791	well	727606.3	587603.9	Flush Mount	PVC	2	26.5	16.5 - 26.5	4/6/2022	13:42	Yes						NA
MW-143B	E201403608	well	727618.8	587609.5	Flush Mount	PVC	2	50	40 - 50	4/6/2022	13:37	Yes						NA
MW-143C	E201412330	well	727609.8	587610.6	Flush Mount	PVC	2	85	75 - 85	4/6/2022	13:40	Yes						NA
MW-145A	E201204688	well	727221.2	587435.1	Flush Mount	PVC	2	27.5	17.5 - 27.5	4/6/2022	13:57	Yes						NA
MW-148A	E201207238	well	726943.8	587897.6	Flush Mount	PVC	2	27.6	17.6 - 27.6	4/6/2022	12:09	Yes						NA
MW-148B	E201207239	well	726940.4	587907.2	Flush Mount	Steel	6	47.8	36.8 - 47.8	4/6/2022	12:05	Yes						NA
MW-171A	E201306954	well	727431.3	587218.3	Flush Mount	PVC	2	35	25 - 35	4/6/2022	13:51	Yes						NA
MW-171B	E201307651	well	727422.9	587222.1	Flush Mount	PVC	2	50	40 - 50	4/6/2022	13:53	Yes						NA
MW-171C	E201307673	well	727441.6	587213.7	Flush Mount	PVC	2	80	60 - 80	4/6/2022	13:50	Yes						NA
MW-1G	E201216675	well	728414.6	586784.4	Flush Mount	PVC	2	14	4 - 14	4/6/2022	09:17	Yes						NA
MW-201	E201303451	well	730009	588019.4	Flush Mount	PVC	2	37	27 - 37	4/6/2022	10:17	Yes						NA
MW-201A	E201306049	well	730011.2	588021.3	Flush Mount	PVC	2	25	10 - 25	4/6/2022	10:14	Yes						NA
MW-201B	E201411640	well	730005.5	588034	Flush Mount	PVC	2	50	40 - 50	4/6/2022	10:07	Yes						NA
MW-201C	E201411639	well	729998.7	588029.9	Flush Mount	PVC	2	96	86 - 96	4/6/2022	10:10	Yes						NA
MW-209A	E201306459	well	728173.8	586675.7	Flush Mount	PVC	2	18	8 - 18	4/6/2022	09:23	Yes						NA
MW-209B	E201306460	well	728175	586684.4	Flush Mount	PVC	2	40	30 - 40	4/6/2022	09:30	Yes						NA
MW-213B	E201311462	well	728882.6	585877	Flush Mount	PVC	2	50	40 - 50	4/6/2022	15:14	Yes						NA
MW-213C	E201311466	well	728866.5	585866.1	Flush Mount	PVC	2	80	60 - 80	4/6/2022	15:16	Yes						NA
MW-214A	E201311468	well	728476.3	586290.3	Flush Mount	PVC	2	25	20 - 25	4/6/2022	15:05	Yes						NA
MW-214B	E201312148	well	728487.5	586293.1	Flush Mount	PVC	2	50	40 - 50	4/6/2022	15:07	Yes						NA
MW-215C	E201311204	well	727501.6	586748.1	Flush Mount	PVC	2	80	60 - 80	4/6/2022	14:49	Yes						NA
MW-222	E201313503	well	726107.5	588022	Flush Mount	PVC	2	80	70 - 80	4/6/2022	14:27	No						Pad in poor condition
MW-222C	E201311482	well	726102.6	588002.6	Flush Mount	PVC	2	257	247 - 257	4/6/2022	14:25	Yes						NA
MW-236B	E201312196	well	727770.2	586507.2	Flush Mount	PVC	2	40	30 - 40	4/6/2022	14:55	Yes						NA
MW-236C	E201312197	well	727773.7	586501.7	Flush Mount	PVC	2	57	47 - 57	4/6/2022	14:57	Yes						NA

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
MW-258B	E201315392	well	726060.1	587280.1	Flush Mount	PVC	2	84	59 - 84	4/6/2022	14:39	Yes						NA
MW-258C	E201314458	well	726067.9	587287.2	Flush Mount	PVC	2	130	105 - 130	4/6/2022	14:36	Yes						NA
MW-260C	E201310429	well	728709.4	588578.3	Flush Mount	PVC	2	79.9	59.9 - 79.9	4/6/2022	08:44	Yes						NA
MW-260-S3	E201403642	well	728737.5	588555.8	Flush Mount	PVC	2	136.2	121.2 - 136.2	4/6/2022	08:40	Yes						NA
MW-267A	E201400817	well	730443.2	585617.3	Flush Mount	PVC	2	56	46 - 56	4/6/2022	07:30	Yes						NA
MW-267B	E201318590	well	730413.3	585661.4	Flush Mount	PVC	2	105	95 - 105	4/6/2022	07:39	Yes						NA
MW-269A	E201401593	well	728226	588163.3	Flush Mount	PVC	2	57	47 - 57	4/6/2022	08:15	Yes						NA
MW-269C	E201401594	well	728220.5	588157.6	Flush Mount	PVC	2	125	115 - 125	4/6/2022	08:17	Yes						NA
MW-270A	E201401596	well	728502.6	588348.5	Flush Mount	PVC	2	62	52 - 62	4/6/2022	08:33	Yes						NA
MW-276A	E201403620	well	727544.7	587900.3	Flush Mount	PVC	2	30	20 - 30	4/6/2022	13:22	Yes						NA
MW-276B	E201403621	well	727533.1	587896.9	Flush Mount	PVC	2	55	45 - 55	4/6/2022	13:20	Yes						NA
MW-276C	E201403622	well	727522	587892.6	Flush Mount	PVC	2	90	80 - 90	4/6/2022	13:17	Yes						NA
MW-2G	E201216676	well	728355.2	586720	Flush Mount	PVC	2	13	4 - 13	4/6/2022	09:15	Yes						NA
MW-304A	E201510844	well	727725.7	587206.2	Flush Mount	PVC	4	20	10 - 20	4/6/2022	14:01	Yes						NA
MW-304B	E201510845	well	727718.8	587211.9	Flush Mount	PVC	4	50	30 - 50	4/6/2022	14:00	Yes						NA
MW-304C	E201510846	well	727739.8	587212.9	Flush Mount	PVC	4	90	70 - 90	4/6/2022	14:03	Yes						NA
MW-353A	E201501296	well	729618.1	588636.6	Flush Mount	PVC	2	55	45 - 55	4/6/2022	10:53	Yes						NA
MW-353B	E201501297	well	729614.4	588639.7	Flush Mount	PVC	2	84	74 - 84	4/6/2022	10:49	Yes						NA
MW-353C	E201501299	well	729615.5	588642.2	Flush Mount	PVC	2	130	120 - 130	4/6/2022	10:44	Yes						NA
MW-377B	E201500786	well	728812.1	588132.9	Flush Mount	PVC	2	90	80 - 90	4/6/2022	08:54	Yes						NA
MW-377C	E201500787	well	728816.5	588135.4	Flush Mount	PVC	2	118	108 - 118	4/6/2022	08:51	Yes						NA
MW-46	2600060830	well	727976	587931	Flush Mount	Steel	6	62	38 - 62	4/6/2022	07:58	Yes						NA

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
187RI-MW2	E201305798	well	729168.4	586570	Flush Mount	PVC	2	12	2 - 12	4/7/2022	13:47	Yes						NA
ART-MW-6BR	E201501062	well	729396	587088.1	Flush Mount	Stainless	4	42.5	27.5 - 42.5	4/7/2022	12:08	Yes						NA
DW-12A	E201300227	well	729676	587042.1	Flush Mount	Steel	2	134	124 - 134	4/7/2022	10:46	Yes						NA
DW-12B	E201300228	well	729663.6	587010.2	Flush Mount	Steel	2	191	181 - 191	4/7/2022	10:40	Yes						NA
DW-12CR	E201412451	well	729684.5	587021.9	Flush Mount	Steel	4	520.1	495.1 - 520.1	4/7/2022	10:43	Yes						NA
DW-13-D2	E201402656	well	728814	586527	Flush Mount	Steel	2	250	240 - 250	4/7/2022	13:27	Yes						NA
DW-40A	E201402658	well	728573.9	586742.6	Flush Mount	Steel	2	147	137 - 147	4/7/2022	14:24	Yes						NA
DW-40B	E201402657	well	728562.6	586735.2	Flush Mount	Steel	2	251	241 - 251	4/7/2022	14:22	Yes						NA
DW-40C	E201410074	well	728567.8	586753.9	Flush Mount	Steel	4	400	375 - 400	4/7/2022	14:28	Yes						NA
DW-68A	E201509856	well	729559.9	586884.9	Flush Mount	Steel	2	205	195 - 205	4/7/2022	11:03	Yes						NA
IW-197A	E201903466	injection	729246.8	586821.6	Flush Mount	PVC	4	29.3	23.3 - 28.3	4/7/2022	15:25	Yes						NA
IW-199B	E201903468	injection	729252.9	586826.3	Flush Mount	PVC	4	43.6	27.6 - 42.6	4/7/2022	15:20	Yes						NA
MW-126	E201012851	well	728465.1	586853.6	Flush Mount	PVC	2	15	5 - 15	4/7/2022	14:36	Yes						NA
MW-126B	E201405728	well	728471.5	586845.2	Flush Mount	PVC	2	50	40 - 50	4/7/2022	14:34	Yes						NA
MW-126C	E201405729	well	728459.2	586847.9	Flush Mount	PVC	2	80	70 - 80	4/7/2022	14:40	Yes						NA
MW-136	E201113727	well	729586.1	586898.1	Flush Mount	PVC	2	19	9 - 19	4/7/2022	10:50	Yes						NA
MW-136B	E201416041	well	729581.5	586911.3	Flush Mount	Steel	6	50	40 - 50	4/7/2022	10:54	Yes						NA
MW-136C	E201415879	well	729572.2	586896.7	Flush Mount	PVC	2	100	90 - 100	4/7/2022	10:58	Yes						NA
MW-170AR	E201510908	well	729358.6	587402.7	Flush Mount	PVC	2	17	7 - 17	4/7/2022	11:46	Yes						NA
MW-170BR	E201510907	well	729358.6	587412.1	Flush Mount	PVC	2	40	30 - 40	4/7/2022	11:42	Yes						NA
MW-207A	E201304515	well	728999.2	586307.3	Flush Mount	PVC	2	15	5 - 15	4/7/2022	13:16	Yes						NA
MW-207B	E201304516	well	729020.2	586304.4	Flush Mount	PVC	2	48	38 - 48	4/7/2022	13:10	Yes						NA
MW-207C	E201302495	well	729009.1	586294.2	Flush Mount	PVC	2	80	60 - 80	4/7/2022	13:13	Yes						NA
MW-22A	2600051883	well	728799.5	586803.5	Flush Mount	Steel	6	44.2	24.2 - 44.2	4/7/2022	14:54	Yes						NA
MW-275B	E201405043	well	728554.8	586671.4	Flush Mount	PVC	2	45	35 - 45	4/7/2022	14:14	Yes						NA
MW-347B	E201407735	well	728894	586519.8	Flush Mount	PVC	2	60	40 - 60	4/7/2022	13:22	Yes						NA
MW-348B	E201407806	well	728818.8	586485.8	Flush Mount	PVC	2	60	50 - 60	4/7/2022	13:37	Yes						NA
MW-349B	E201408235	well	728709.4	586629.3	Flush Mount	PVC	2	60	40 - 60	4/7/2022	14:04	Yes						NA
MW-349C	E201408236	well	728703.5	586625.1	Flush Mount	PVC	2	100	90 - 100	4/7/2022	14:01	Yes						NA
MW-416A	E201501198	well	729639.6	586759.1	Flush Mount	Steel	6	38	19 - 38	4/7/2022	11:13	Yes						NA
MW-416B	E201501197	well	729637.8	586752.3	Flush Mount	Steel	6	55	45 - 55	4/7/2022	11:16	Yes						NA
MW-416C	E201501192	well	729633.1	586759.2	Flush Mount	PVC	2	115	105 - 115	4/7/2022	11:09	Yes						NA
MW-43	2600054720	well	729302.7	586287.5	Flush Mount	PVC	2	24.5	14.5 - 24.5	4/7/2022	12:38	Yes						NA
MW-483B	E201511555	well	729110	586416.8	Flush Mount	PVC	2	60	50 - 60	4/7/2022	13:04	Yes						NA
MW-483C	E201511552	well	729108.4	586425.3	Flush Mount	PVC	2	80	60 - 80	4/7/2022	13:06	Yes						NA

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
DW-27B	E201315239	well	729550.7	586191.3	Flush Mount	Steel	2	299.8	274.8 - 299.8	4/8/2022	09:12	Yes						NA
DW-27C	E201402655	well	729558.8	586203.3	Flush Mount	Steel	4	425	400 - 425	4/8/2022	09:07	Yes						NA
DW-41C	E201407799	well	728937.9	587955.3	Flush Mount	Steel	4	450.1	425.1 - 450.1	4/8/2022	08:20	Yes						NA
DW-45A	E201409402	well	729057.6	587503	Flush Mount	Steel	2	146.2	121.2 - 146.2	4/8/2022	12:55	Yes						NA
DW-4C	E201306325	well	726800.5	587427.1	Flush Mount	Steel	2	142	117 - 142	4/8/2022	10:02	Yes						NA
DW-4D	E201306324	well	726814.3	587414.1	Flush Mount	Steel	4	450	425 - 450	4/8/2022	09:56	Yes						NA
DW-52A	E201413312	well	727744.7	587361.5	Flush Mount	Steel	2	130	115 - 130	4/8/2022	14:33	Yes						NA
DW-58A	E201413476	well	728115	587746.1	Flush Mount	Steel	2	240	215 - 240	4/8/2022	13:57	Yes						NA
DW-6B	E201218159	well	728578.8	587806	Flush Mount	Steel	2	114.6	104.6 - 114.6	4/8/2022	07:33	Yes						Well lid missing, well intact. Well lid found and replaced
DW-6D	E201301046	well	728561.5	587796.5	Flush Mount	Steel	4	497.9	472.9 - 497.9	4/8/2022	07:30	Yes						NA
DW-9A	E201217454	well	729195.9	587693.6	Flush Mount	Steel	2	95.1	85.1 - 95.1	4/8/2022	08:32	Yes						Flooded, well intact
IW-157C2	E201509285	injection	727960	587320.7	Flush Mount	Steel	6	105.1	80.1 - 105.1	4/8/2022	14:22	Yes						NA
IW-168B	E201507919	injection	728400.8	587243.5	Flush Mount	Steel	6	56.7	31.7 - 56.7	4/8/2022	07:15	Yes						NA
IW-168C1	E201507920	injection	728392.4	587243.9	Flush Mount	Steel	6	81.8	56.8 - 81.8	4/8/2022	07:10	Yes						NA
IW-168C2	E201507921	injection	728396.4	587252.2	Flush Mount	Steel	6	106.9	81.9 - 106.9	4/8/2022	07:18	Yes						NA
MW-102	P200804386	well	727920.5	587256.2	Flush Mount	PVC	2	13	8 - 13	4/8/2022	14:28	Yes						NA
MW-105A	P200804389	well	728004.5	586769.3	Flush Mount	PVC	2	12	7 - 12	4/8/2022	11:16	Yes						NA
MW-105B	P200804399	well	727997.3	586765	Flush Mount	Steel	6	40	30 - 40	4/8/2022	11:19	Yes						NA
MW-117	E201311393	well	728892.7	587296.7	Flush Mount	PVC	4	80	60 - 80	4/8/2022	13:20	Yes						NA
MW-146A	E201204689	well	726815.5	587569.5	Flush Mount	Steel	6	27.1	17.1 - 27.1	4/8/2022	10:22	Yes						NA
MW-146B	E201306327	well	726751.9	587487.1	Flush Mount	PVC	2	57	42 - 57	4/8/2022	10:13	Yes						NA
MW-146C	E201306326	well	726766.1	587466.7	Flush Mount	PVC	2	80	60 - 80	4/8/2022	10:08	Yes						NA
MW-15A	2600051888	well	728836.9	587343.8	Flush Mount	PVC	2	15	5 - 15	4/8/2022	13:23	Yes						NA
MW-172	E201306956	well	727873.3	587694.8	Flush Mount	PVC	2	40	30 - 40	4/8/2022	14:03	Yes						NA
MW-204C	E201304823	well	728571.9	587527.3	Flush Mount	PVC	2	76.5	56.5 - 76.5	4/8/2022	13:40	Yes						NA
MW-216C	E201311207	well	727023.6	587128.2	Flush Mount	PVC	2	80	60 - 80	4/8/2022	09:45	Yes						NA
MW-238C	E201312547	well	728587.6	587190.8	Flush Mount	PVC	2	79.9	69.9 - 79.9	4/8/2022	07:22	Yes						NA
MW-243B	E201401692	well	729297.6	587132.3	Flush Mount	Stainless	2	51.1	31.1 - 51.1	4/8/2022	07:45	Yes						NA
MW-257A	E201316278	well	727293.4	587160.1	Flush Mount	PVC	2	30	20 - 30	4/8/2022	10:37	Yes						NA
MW-257B	E201316279	well	727291.4	587166.7	Flush Mount	PVC	2	50	40 - 50	4/8/2022	10:40	Yes						NA
MW-288B	E201403944	well	728623	587466.6	Flush Mount	PVC	2	54.7	34.7 - 54.7	4/8/2022	13:35	Yes						NA
MW-366B	E201412402	well	727747	587370.3	Flush Mount	PVC	2	45	35 - 45	4/8/2022	14:36	Yes						NA
MW-373B	E201502842	well	728110.6	587757.3	Flush Mount	PVC	2	77	67 - 77	4/8/2022	13:51	Yes						NA
MW-373C	E201502843	well	728113.2	587751.1	Flush Mount	PVC	2	118	108 - 118	4/8/2022	13:54	Yes						NA
MW-44	2600054721	well	729476.5	586150.6	Flush Mount	PVC	2	19.1	9.1 - 19.1	4/8/2022	09:30	Yes						NA
MW-44B	E201304514	well	729459.4	586157.3	Flush Mount	PVC	2	45.1	35.1 - 45.1	4/8/2022	09:20	Yes						NA
MW-44C	E201302491	well	729460.3	586139.7	Flush Mount	PVC	2	81.3	61.3 - 81.3	4/8/2022	09:26	Yes						NA
MW-453C2	E201509739	well	727990.1	587440.6	Flush Mount	PVC	2	110	90 - 110	4/8/2022	14:17	Yes						NA
MW-457C1	E201509602	well	728099.3	587377.3	Flush Mount	PVC	2	79.9	59.9 - 79.9	4/8/2022	14:12	Yes						NA
MW-495B	E201514806	well	728813.7	587410.1	Flush Mount	PVC	2	50.5	40.5 - 50.5	4/8/2022	13:30	Yes						NA
MW-503C	E201701479	well	728801.6	587381.7	Flush Mount	PVC	2	80.5	60.5 - 80.5	4/8/2022	13:27	Yes						NA

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
138RI-MW1R
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
187RI-MW2
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
66RI-MW4
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
ART-MW-6BR
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-11B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-11D
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-12A
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-12B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-12CR
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-13-D2
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-16A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-16B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-16C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-17C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-24
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-27B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-27C
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-28A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-28B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-29B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-29C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-2B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-2-D2
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-30B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-31C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-32A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-32B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-33A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

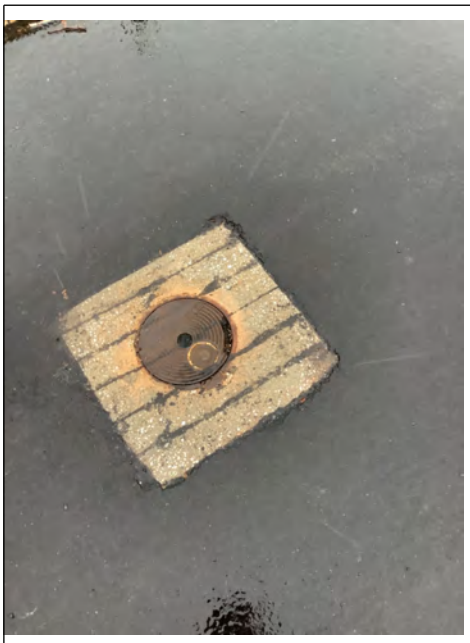
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-33B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-33C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-34B
Date: 4/6/2022

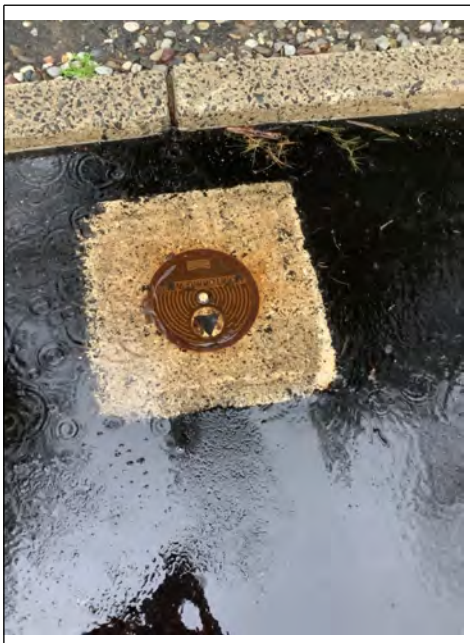


TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-37B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-38A
Date: 4/6/2022



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-38B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-39B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-39C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-3B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-3-D2
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-40A
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-40B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-40C
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-41C
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BA	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-45A
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-4C
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-4D
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-52A
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-58A
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-64A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-65-73-S2
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-67B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-68A
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-6B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-6D
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-70-83-S3
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-72-120-S3
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7D
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-8A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-8B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-8C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-9A
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-157C2
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-168B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-168C1
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-168C2
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-197A
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-199B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-102
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-104B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-105A
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-105B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-106A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-106B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-112A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-114
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

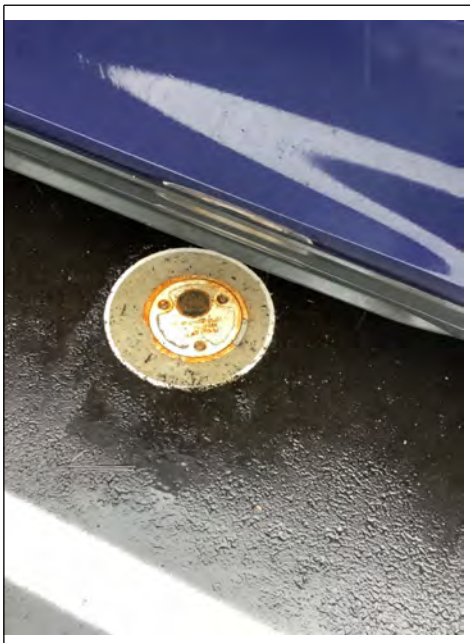
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-114A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-117
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-120
Date: 4/6/2022



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-124A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-124B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-126
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-126B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-126C
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-131
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-131B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-131C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-136
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-136B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-136C
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-143
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-143B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-143C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-145A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-146A
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-146B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-146C
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-148A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-148B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-15A
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-16
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-170AR
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-170BR
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-171A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-171B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-171C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-172
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-174
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-1G
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-204C
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-206B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-206C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-207A
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-207B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-207C
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-209A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-209B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-213B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-213C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-214A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-214B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-215C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-216C
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-222
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

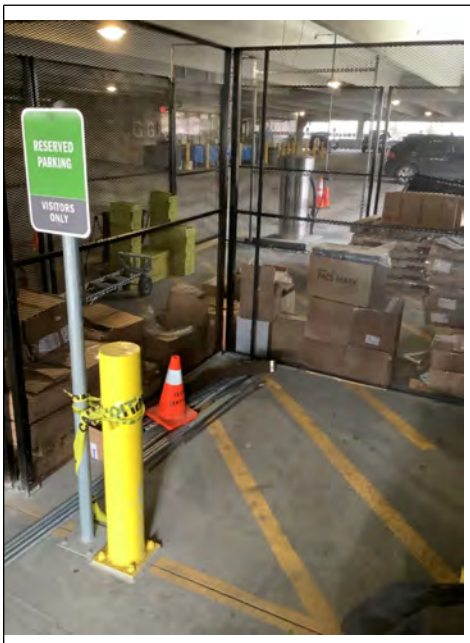
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-222C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-22A
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-230C
Date: 4/5/2022



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-236B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-236C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-237A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-237C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-238C
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-24
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-243B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-24C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-257A
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-257B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-258B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-258C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-259BR
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-260C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-260-S3
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-265B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-265C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-266A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-266B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-266C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-267A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-267B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-269A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-269C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-270A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-271A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-271B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-271C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-273B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-273C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-274A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-274B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-274C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-275B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-276A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-276B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-276C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-286A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-288B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-295A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-295C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-2G
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-304A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-304B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-304C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-347B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-348B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-349B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-349C
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-351C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-353A
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-353B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-353C
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-357A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-366B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-373B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-373C
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-375A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-375B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-375C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-376B
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

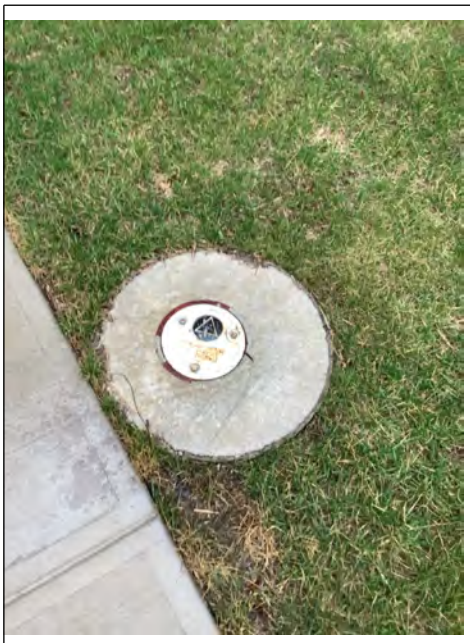
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-376C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-377B
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-377C
Date: 4/6/2022



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-383A
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-391C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-394C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-416A
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-416B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-416C
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-43
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-44
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-44B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-44C
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-453C2
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-457C1
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-46
Date: 4/6/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-483B
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-483C
Date: 4/7/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-495B
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-503C
Date: 4/8/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-58
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-80C
Date: 4/5/2022

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Attachment 3

Well Inspection Reports - 2023

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
ART-MW-6BR	E201501062	well	729396	587088.1	Flush Mount	Stainless	4	42.5	27.5 - 42.5	2/20/2023	14:53	Yes					42.47	
DW-28A	E201402669	well	729432.3	588599.1	Flush Mount	Steel	2	189	179 - 189	2/20/2023	10:18	Yes					189	
DW-28B	E201402668	well	729432.8	588590.5	Flush Mount	Steel	2	321	306 - 321	2/20/2023	10:15	Yes					321	
DW-29B	E201315491	well	729594.5	588339	Flush Mount	Steel	2	300	275 - 300	2/20/2023	09:33	Yes					300	
DW-29C	E201402670	well	729581.4	588345.8	Flush Mount	Steel	4	442	432 - 442	2/20/2023	09:37	Yes					442	
DW-2B	E201217456	well	729154.4	588619.2	Flush Mount	Steel	2	136	126 - 136	2/20/2023	10:38	Yes					136	
DW-2-D2	E201402664	well	729123.3	588637.5	Flush Mount	Steel	2	300	275 - 300	2/20/2023	10:35	Yes					300	
DW-30B	E201315493	well	729995	587688.5	Flush Mount	Steel	2	260	250 - 260	2/20/2023	08:40	Yes					260	
DW-31C	E201402878	well	730293.3	587198	Flush Mount	Steel	4	440	415 - 440	2/20/2023	08:03	Yes					440	
DW-32A	E201318587	well	730479.2	586772.9	Flush Mount	Steel	2	164	154 - 164	2/20/2023	08:21	Yes					164	
DW-32B	E201315585	well	730469.5	586772.7	Flush Mount	Steel	2	301.1	276.1 - 301.1	2/20/2023	08:16	Yes					301.13	
DW-8A	E201217453	well	729677.7	587898.5	Flush Mount	Steel	2	126	116 - 126	2/20/2023	09:13	Yes					126	
DW-8B	E201217458	well	729655.5	587883.7	Flush Mount	Steel	2	192	182 - 192	2/20/2023	09:19	Yes					192	
DW-8C	E201217463	well	729649.7	587904.2	Flush Mount	Steel	2	307	297 - 307	2/20/2023	09:23	Yes					307	
IW-197A	E201903466	injection	729246.8	586821.6	Flush Mount	PVC	4	29.3	23.3 - 28.3	2/20/2023	14:37	Yes						
IW-199B	E201903468	injection	729252.9	586826.3	Flush Mount	PVC	4	43.6	27.6 - 42.6	2/20/2023	14:30	Yes						
MW-114	P200910160	well	729160.4	588646.5	Flush Mount	Steel	6	80	60 - 80	2/20/2023	10:41	Yes					80	
MW-114A	E201403604	well	729164.7	588661.5	Flush Mount	PVC	2	75	65 - 75	2/20/2023	10:45	Yes					75	
MW-16	2600012044	well	730345.7	586785.3	Flush Mount	PVC	4	13.8	3.8 - 13.8	2/20/2023	08:27	Yes					13.8	
MW-170AR	E201510908	well	729358.6	587402.7	Flush Mount	PVC	2	17	7 - 17	2/20/2023	15:20	Yes					17	
MW-170BR	E201510907	well	729358.6	587412.1	Flush Mount	PVC	2	40	30 - 40	2/20/2023	15:13	Yes					40	
MW-237A	E201311727	well	730306	587192	Flush Mount	Steel	6	30	20 - 30	2/20/2023	07:59	Yes					30	
MW-237C	E201315220	well	730310.7	587182.9	Flush Mount	PVC	2	120	110 - 120	2/20/2023	07:55	Yes					120	
MW-24	2600036932	well	729720.2	587875.7	Flush Mount	Steel	6	41.7	31.7 - 41.7	2/20/2023	09:05	Yes					41.65	
MW-243B	E201401692	well	729297.6	587132.3	Flush Mount	Stainless	2	51.1	31.1 - 51.1	2/20/2023	14:45	Yes						
MW-24C	E201316485	well	729540.5	587718.5	Flush Mount	PVC	2	49.4	29.4 - 49.4	2/20/2023	11:30	Yes					49.43	
MW-265B	E201318473	well	729994	587679.7	Flush Mount	PVC	2	50	40 - 50	2/20/2023	08:35	Yes					50	
MW-265C	E201403229	well	730002.1	587665.6	Flush Mount	PVC	2	100	90 - 100	2/20/2023	08:33	Yes					100	
MW-266A	E201318470	well	730470.2	586765.4	Flush Mount	PVC	2	37.8	27.8 - 37.8	2/20/2023	08:19	Yes					23.29	
MW-266B	E201318471	well	730461	586763.8	Flush Mount	PVC	2	70	60 - 70	2/20/2023	08:13	Yes					70	
MW-266C	E201318472	well	730459.4	586771.3	Flush Mount	PVC	2	95	85 - 95	2/20/2023	08:10	Yes					95	
MW-271A	E201404694	well	729418	588622.5	Flush Mount	PVC	2	60	50 - 60	2/20/2023	10:24	Yes					60	
MW-271B	E201404618	well	729420.1	588609.8	Flush Mount	PVC	2	95	85 - 95	2/20/2023	10:21	Yes					95	
MW-271C	E201404615	well	729404.8	588618.4	Flush Mount	PVC	2	135	125 - 135	2/20/2023	10:28	Yes					135	
MW-295A	E201404289	well	729711.1	587944.9	Flush Mount	PVC	2	25	10 - 25	2/20/2023	08:54	Yes					25	
MW-295C	E201511978	well	729709.5	587940.4	Flush Mount	steel	6	84.7	76.7 - 84.7	2/20/2023	09:00	Yes					84.67	
MW-351C	E201409431	well	729456.4	587469.9	Flush Mount	PVC	2	87.52	62.52 - 87.52	2/20/2023	15:03	Yes					87.52	
MW-357A	E201409766	well	729942.4	587128.4	Flush Mount	Steel	6	25.4	15.4 - 25.4	2/20/2023	11:20	Yes					0.73	
MW-375A	E201414287	well	729520.3	588450.6	Flush Mount	Steel	6	54	34 - 54	2/20/2023	09:40	Yes					54	Well located in active entrance way off of highway
MW-375B	E201414288	well	729510.8	588465.3	Flush Mount	PVC	2	78	68 - 78	2/20/2023	09:44	Yes					78	Well located in active entrance way off of highway
MW-375C	E201414289	well	729505.9	588473.5	Flush Mount	PVC	2	135	115 - 135	2/20/2023	09:48	Yes					135	Well located in active entrance way off of highway
MW-376B	E201414290	well	729085.7	588446.8	Flush Mount	PVC	2	86	76 - 86	2/20/2023	09:53	Yes					86	
MW-376C	E201414291	well	729090.6	588440.9	Flush Mount	PVC	2	128	113 - 128	2/20/2023	09:56	Yes					128	
MW-383A	E201415541	well	729799.2	587939.1	Flush Mount	Stainless	2	25	10 - 25	2/20/2023	08:50	Yes					25	
MW-394C	E201415860	well	730153.2	586878.1	Flush Mount	PVC	2	103	93 - 103	2/20/2023	11:10	Yes					103	
MW-58	2600068227	well	730500.4	586874.8	Flush Mount	PVC	2	36	21 - 36	2/20/2023	07:45	Yes					36	
MW-80C	E201316488	well	729693.3	587877.2	Flush Mount	PVC	2	25	10 - 25	2/20/2023	09:09	Yes					25	

TRC Project No.: 105009

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
187RI-MW2	E201305798	well	729168.4	586570	Flush Mount	PVC	2	12	2 - 12	2/21/2023	08:35	Yes					12	
DW-12A	E201300227	well	729676	587042.1	Flush Mount	Steel	2	134	124 - 134	2/21/2023	14:17	Yes						
DW-12B	E201300228	well	729663.6	587010.2	Flush Mount	Steel	2	191	181 - 191	2/21/2023	14:05	Yes						
DW-12CR	E201412451	well	729684.5	587021.9	Flush Mount	Steel	4	520.1	495.1 - 520.1	2/21/2023	14:12	Yes						
DW-13-D2	E201402656	well	728814	586527	Flush Mount	Steel	2	250	240 - 250	2/21/2023	09:12	Yes					250	
DW-37B	E201400890	well	728464.3	588325.2	Flush Mount	Steel	4	299.6	289.6 - 299.6	2/21/2023	15:18	Yes					299.6	
DW-39B	E201402679	well	727543.6	587876.6	Flush Mount	Steel	2	296	286 - 296	2/21/2023	14:45	Yes						
DW-39C	E201402680	well	727532.4	587873.2	Flush Mount	Steel	4	496	471 - 496	2/21/2023	14:49							
DW-40A	E201402658	well	728573.9	586742.6	Flush Mount	Steel	2	147	137 - 147	2/21/2023	09:39	Yes					147	
DW-40B	E201402657	well	728562.6	586735.2	Flush Mount	Steel	2	251	241 - 251	2/21/2023	09:34	Yes					251	
DW-40C	E201410074	well	728567.8	586753.9	Flush Mount	Steel	4	400	375 - 400	2/21/2023	09:45	Yes					400	
DW-41C	E201407799	well	728937.9	587955.3	Flush Mount	Steel	4	450.1	425.1 - 450.1	2/21/2023	11:32	Yes					450.05	
DW-45A	E201409402	well	729057.6	587503	Flush Mount	Steel	2	146.2	121.2 - 146.2	2/21/2023	11:22	Yes						
DW-67B	E201509857	well	729861.1	586836.9	Flush Mount	Steel	2	274.9	264.9 - 274.9	2/21/2023	12:52	Yes					274.9	
DW-68A	E201509856	well	729559.9	586884.9	Flush Mount	Steel	2	205	195 - 205	2/21/2023	13:33	Yes					205	
MW-126	E201012851	well	728465.1	586853.6	Flush Mount	PVC	2	15	5 - 15	2/21/2023	10:00	Yes						
MW-126B	E201405728	well	728471.5	586845.2	Flush Mount	PVC	2	50	40 - 50	2/21/2023	09:56	Yes						
MW-126C	E201405729	well	728459.2	586847.9	Flush Mount	PVC	2	80	70 - 80	2/21/2023	10:05	Yes						
MW-136	E201113727	well	729586.1	586898.1	Flush Mount	PVC	2	19	9 - 19	2/21/2023	13:47	Yes						
MW-136B	E201416041	well	729581.5	586911.3	Flush Mount	Steel	6	50	40 - 50	2/21/2023	13:52	Yes						
MW-136C	E201415879	well	729572.2	586896.7	Flush Mount	PVC	2	100	90 - 100	2/21/2023	13:41	Yes						
MW-143	E201115791	well	727606.3	587603.9	Flush Mount	PVC	2	26.5	16.5 - 26.5	2/21/2023	15:07	Yes					26.5	
MW-143B	E201403608	well	727618.8	587609.5	Flush Mount	PVC	2	50	40 - 50	2/21/2023	14:59	Yes					50	
MW-143C	E201412330	well	727609.8	587610.6	Flush Mount	PVC	2	85	75 - 85	2/21/2023	15:03	Yes					85	
MW-174	E201303564	well	729572.8	587513.8	Flush Mount	Steel	6	38	28 - 38	2/21/2023	07:45	Yes					38	
MW-1G	E201216675	well	728414.6	586784.4	Flush Mount	PVC	2	14	4 - 14	2/21/2023	07:51	Yes					14	
MW-207A	E201304515	well	728999.2	586307.3	Flush Mount	PVC	2	15	5 - 15	2/21/2023	08:55	Yes					15	
MW-207B	E201304516	well	729020.2	586304.4	Flush Mount	PVC	2	48	38 - 48	2/21/2023	08:44	Yes					48	
MW-207C	E201302495	well	729009.1	586294.2	Flush Mount	PVC	2	80	60 - 80	2/21/2023	08:50	Yes					80	
MW-209A	E201306459	well	728173.8	586675.7	Flush Mount	PVC	2	18	8 - 18	2/21/2023	08:01	Yes					18	
MW-209B	E201306460	well	728175	586684.4	Flush Mount	PVC	2	40	30 - 40	2/21/2023	08:02	Yes					40	
MW-222	E201313503	well	726107.5	588022	Flush Mount	PVC	2	80	70 - 80	2/21/2023	11:07	Yes						
MW-222C	E201311482	well	726102.6	588002.6	Flush Mount	PVC	2	257	247 - 257	2/21/2023	11:00	Yes					257	
MW-22A	2600051883	well	728799.5	586803.5	Flush Mount	Steel	6	44.2	24.2 - 44.2	2/21/2023	11:14	Yes					44.23	
MW-260C	E201310429	well	728709.4	588578.3	Flush Mount	PVC	2	79.9	59.9 - 79.9	2/21/2023	15:22	Yes						
MW-260-S3	E201403642	well	728737.5	588555.8	Flush Mount	PVC	2	136.2	121.2 - 136.2	2/21/2023	15:24	Yes						
MW-270A	E201401596	well	728502.6	588348.5	Flush Mount	PVC	2	62	52 - 62	2/21/2023	15:14	Yes					62	
MW-275B	E201405043	well	728554.8	586671.4	Flush Mount	PVC	2	45	35 - 45	2/21/2023	09:30	Yes					45	
MW-276A	E201403620	well	727544.7	587900.3	Flush Mount	PVC	2	30	20 - 30	2/21/2023	14:40	Yes						
MW-276B	E201403621	well	727533.1	587896.9	Flush Mount	PVC	2	55	45 - 55	2/21/2023	14:34	Yes						
MW-276C	E201403622	well	727522	587892.6	Flush Mount	PVC	2	90	80 - 90	2/21/2023	14:30	Yes						
MW-2G	E201216676	well	728355.2	586720	Flush Mount	PVC	2	13	4 - 13	2/21/2023	07:53	Yes					13	
MW-347B	E201407735	well	728894	586519.8	Flush Mount	PVC	2	60	40 - 60	2/21/2023	09:04	Yes					60	
MW-348B	E201407806	well	728818.8	586485.8	Flush Mount	PVC	2	60	50 - 60	2/21/2023	09:20	Yes					60	
MW-349B	E201408235	well	728709.4	586629.3	Flush Mount	PVC	2	60	40 - 60	2/21/2023	10:15	Yes						
MW-349C	E201408236	well	728703.5	586625.1	Flush Mount	PVC	2	100	90 - 100	2/21/2023	10:11	Yes					100	
MW-391C	E201415873	well	729860.3	586821	Flush Mount	PVC	2	123.6	113.6 - 123.6	2/21/2023	12:46	Yes					123.6	
MW-416A	E201501198	well	729639.6	586759.1	Flush Mount	Steel	6	38	19 - 38	2/21/2023	13:26	Yes					38	
MW-416B	E201501197	well	729637.8	586752.3	Flush Mount	Steel	6	55	45 - 55	2/21/2023	13:18	Yes					55	
MW-416C	E201501192	well	729633.1	586759.2	Flush Mount	PVC	2	115	105 - 115	2/21/2023	13:12	Yes					115	
MW-43	2600054720	well	729302.7	586287.5	Flush Mount	PVC	2	24.5	14.5 - 24.5	2/21/2023	08:23	Yes					24.5	
MW-483B	E201511555	well	729110	586416.8	Flush Mount	PVC	2	60	50 - 60	2/21/2023	08:30	Yes					60	
MW-483C	E201511552	well	729108.4	586425.3	Flush Mount	PVC	2	80	60 - 80	2/21/2023	08:32	Yes					80	

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
DW-11B	E201300242	well	727529.8	586764	Flush Mount	Steel	2	100	90 - 100	2/22/2023	15:10	Yes						
DW-11D	E201300243	well	727514.7	586755	Flush Mount	Steel	2	450	425 - 450	2/22/2023	15:13	Yes						
DW-24	E201314457	well	726074	587288.7	Flush Mount	PVC	2	175	150 - 175	2/22/2023	11:04	Yes						
DW-27B	E201315239	well	729550.7	586191.3	Flush Mount	Steel	2	299.8	274.8 - 299.8	2/22/2023	12:51	Yes						
DW-27C	E201402655	well	729558.8	586203.3	Flush Mount	Steel	4	425	400 - 425	2/22/2023	12:45	Yes						
DW-34B	E201315235	well	730437.9	585625.2	Flush Mount	Steel	2	300	275 - 300	2/22/2023	07:46	Yes						
DW-38A	E201401595	well	728209.8	588146	Flush Mount	Steel	2	191	166 - 191	2/22/2023	08:35	Yes						
DW-38B	E201400995	well	728215.4	588152.2	Flush Mount	Steel	4	267	247 - 267	2/22/2023	08:31	Yes						
DW-3B	E201218158	well	728010.4	587943.9	Flush Mount	Steel	2	122	112 - 122	2/22/2023	08:10	Yes						
DW-3-D2	E201402663	well	728019	587954.5	Flush Mount	Steel	2	300	275 - 300	2/22/2023	08:04	Yes						
DW-64A	E201500412	well	729610.1	588651.2	Flush Mount	Steel	2	250	235 - 250	2/22/2023	09:12	Yes						
DW-7A	E201411635	well	729994.2	588037.5	Flush Mount	Steel	2	127	112 - 127	2/22/2023	10:09	Yes						
DW-7B	E201305678	well	729990.1	588047.7	Flush Mount	Steel	2	180	165 - 180	2/22/2023	10:20	Yes						
DW-7C	E201305675	well	729993.3	588054.2	Flush Mount	Steel	2	345	335 - 345	2/22/2023	10:14	Yes						
DW-7D	E201305674	well	730001.1	588041.5	Flush Mount	Steel	4	450	425 - 450	2/22/2023	10:05	Yes						
IW-168B	E201507919	injection	728400.8	587243.5	Flush Mount	Steel	6	56.7	31.7 - 56.7	2/22/2023	08:47	Yes						
IW-168C1	E201507920	injection	728392.4	587243.9	Flush Mount	Steel	6	81.8	56.8 - 81.8	2/22/2023	08:43	Yes						
IW-168C2	E201507921	injection	728396.4	587252.2	Flush Mount	Steel	6	106.9	81.9 - 106.9	2/22/2023	08:52	Yes						
MW-104B	P200804398	well	728107.8	587026.2	Flush Mount	Steel	6	34	24 - 34	2/22/2023	15:00	Yes						
MW-106A	P200804390	well	727971.4	587094.4	Flush Mount	PVC	2	13	8 - 13	2/22/2023	14:53	Yes						
MW-106B	P200804400	well	727960.4	587097.7	Flush Mount	Steel	6	34	24 - 34	2/22/2023	14:49	Yes						
MW-120	P200910157	well	728039	587977.7	Flush Mount	PVC	4	80	30 - 80	2/22/2023	08:00	Yes						
MW-145A	E201204688	well	727221.2	587435.1	Flush Mount	PVC	2	27.5	17.5 - 27.5	2/22/2023	14:23	Yes						
MW-171A	E201306954	well	727431.3	587218.3	Flush Mount	PVC	2	35	25 - 35	2/22/2023	14:13	Yes						
MW-171B	E201307651	well	727422.9	587222.1	Flush Mount	PVC	2	50	40 - 50	2/22/2023	14:18	Yes						
MW-171C	E201307673	well	727441.6	587213.7	Flush Mount	PVC	2	80	60 - 80	2/22/2023	14:07	Yes						
MW-201	E201303451	well	730009	588019.4	Flush Mount	PVC	2	37	27 - 37	2/22/2023	09:51	Yes						
MW-201A	E201306049	well	730011.2	588021.3	Flush Mount	PVC	2	25	10 - 25	2/22/2023	09:47	Yes						
MW-201B	E201411640	well	730005.5	588034	Flush Mount	PVC	2	50	40 - 50	2/22/2023	09:55	Yes						
MW-201C	E201411639	well	729998.7	588029.9	Flush Mount	PVC	2	96	86 - 96	2/22/2023	10:00	Yes						
MW-213B	E201311462	well	728882.6	585877	Flush Mount	PVC	2	50	40 - 50	2/22/2023	10:42	Yes						
MW-213C	E201311466	well	728866.5	585866.1	Flush Mount	PVC	2	80	60 - 80	2/22/2023	10:49	Yes						
MW-214A	E201311468	well	728476.3	586290.3	Flush Mount	PVC	2	25	20 - 25	2/22/2023	13:36	Yes						
MW-214B	E201312148	well	728487.5	586293.1	Flush Mount	PVC	2	50	40 - 50	2/22/2023	13:40	Yes						
MW-214C	E201311480	well	728469.5	586284.7	Flush Mount	PVC	2	80	60 - 80	2/22/2023	13:31	Yes						
MW-215C	E201311204	well	727501.6	586748.1	Flush Mount	PVC	2	80	60 - 80	2/22/2023	15:18	Yes						
MW-236B	E201312196	well	727770.2	586507.2	Flush Mount	PVC	2	40	30 - 40	2/22/2023	13:58	Yes						
MW-236C	E201312197	well	727773.7	586501.7	Flush Mount	PVC	2	57	47 - 57	2/22/2023	13:53	Yes						
MW-238C	E201312547	well	728587.6	587190.8	Flush Mount	PVC	2	79.9	69.9 - 79.9	2/22/2023	11:27	Yes						
MW-258B	E201315392	well	726060.1	587280.1	Flush Mount	PVC	2	84	59 - 84	2/22/2023	11:16	Yes						
MW-258C	E201314458	well	726067.9	587287.2	Flush Mount	PVC	2	130	105 - 130	2/22/2023	11:10	Yes						
MW-267A	E201400817	well	730443.2	585617.3	Flush Mount	PVC	2	56	46 - 56	2/22/2023	07:52	Yes						
MW-267B	E201318590	well	730413.3	585661.4	Flush Mount	PVC	2	105	95 - 105	2/22/2023	07:40	Yes						
MW-269A	E201401593	well	728226	588163.3	Flush Mount	PVC	2	57	47 - 57	2/22/2023	08:22	Yes						
MW-269C	E201401594	well	728220.5	588157.6	Flush Mount	PVC	2	125	115 - 125	2/22/2023	08:25	Yes						
MW-304A	E201510844	well	727725.7	587206.2	Flush Mount	PVC	4	20	10 - 20	2/22/2023	14:36	Yes						
MW-304B	E201510845	well	727718.8	587211.9	Flush Mount	PVC	4	50	30 - 50	2/22/2023	14:30	Yes						
MW-304C	E201510846	well	727739.8	587212.9	Flush Mount	PVC	4	90	70 - 90	2/22/2023	14:41	Yes						
MW-353A	E201501296	well	729618.1	588636.6	Flush Mount	PVC	2	55	45 - 55	2/22/2023	09:30	Yes						
MW-353B	E201501297	well	729614.4	588639.7	Flush Mount	PVC	2	84	74 - 84	2/22/2023	09:25	Yes						
MW-353C	E201501299	well	729615.5	588642.2	Flush Mount	PVC	2	130	120 - 130	2/22/2023	09:18	Yes						
MW-44	2600054721	well	729476.5	586150.6	Flush Mount	PVC	2	19.1	9.1 - 19.1	2/22/2023	13:13	Yes						
MW-44B	E201304514	well	729459.4	586157.3	Flush Mount	PVC	2	45.1	35.1 - 45.1	2/22/2023	12:59	Yes						
MW-44C	E201302491	well	729460.3	586139.7	Flush Mount	PVC	2	81.3	61.3 - 81.3	2/22/2023	13:05	Yes						

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
MW-46	2600060830	well	727976	587931	Flush Mount	Steel	6	62	38 - 62	2/22/2023	08:14	Yes						

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
138RI-MW1R	E202010338	well	729698.5	586409.1	Flush Mount	PVC	2	32	22 - 32	2/23/2023	09:30	Yes						
66RI-MW4	E201304931	well	730201.6	586648.3	Flush Mount	PVC	2	15.4	8.4 - 15.4	2/23/2023	11:20	Yes						
DW-16A	E201300231	well	729998.8	585961.9	Flush Mount	Steel	2	218.1	208.1 - 218.1	2/23/2023	10:00	Yes						
DW-16B	E201300232	well	730015.7	585937.3	Flush Mount	Steel	2	298.4	288.4 - 298.4	2/23/2023	10:04	Yes						
DW-16C	E201301078	well	729997.3	585932.2	Flush Mount	Steel	4	444.4	419.4 - 444.4	2/23/2023	10:10	Yes						
DW-17C	E201301431	well	726940.4	588315.2	Flush Mount	Steel	2	120	110 - 120	2/23/2023	07:45	Yes					120	
DW-33A	E201401464	well	730549.1	586343.9	Flush Mount	Steel	2	161.26	151.26 - 161.26	2/23/2023	10:41	Yes						
DW-33B	E201318598	well	730558.6	586347.9	Flush Mount	Steel	2	280.27	270.27 - 280.27	2/23/2023	10:46	Yes						
DW-33C	E201402654	well	730544.6	586356	Flush Mount	Steel	4	426.16	401.16 - 426.16	2/23/2023	11:04	Yes						
DW-4C	E201306325	well	726800.5	587427.1	Flush Mount	Steel	2	142	117 - 142	2/23/2023	13:20	Yes						
DW-4D	E201306324	well	726814.3	587414.1	Flush Mount	Steel	4	450	425 - 450	2/23/2023	13:15	Yes						
DW-52A	E201413312	well	727744.7	587361.5	Flush Mount	Steel	2	130	115 - 130	2/23/2023	14:52	Yes						
DW-58A	E201413476	well	728115	587746.1	Flush Mount	Steel	2	240	215 - 240	2/23/2023	14:30	Yes						
DW-6B	E201218159	well	728578.8	587806	Flush Mount	Steel	2	114.6	104.6 - 114.6	2/23/2023	11:32	Yes						
DW-6C	E201218160	well	728575.6	587788.9	Flush Mount	Steel	2	291	281 - 291	2/23/2023	11:41	Yes						
DW-6D	E201301046	well	728561.5	587796.5	Flush Mount	Steel	4	497.9	472.9 - 497.9	2/23/2023	11:37	Yes						
DW-9A	E201217454	well	729195.9	587693.6	Flush Mount	Steel	2	95.1	85.1 - 95.1	2/23/2023	11:51	Yes						
IW-157C2	E201509285	injection	727960	587320.7	Flush Mount	Steel	6	105.1	80.1 - 105.1	2/23/2023	14:47	Yes						
MW-102	P200804386	well	727920.5	587256.2	Flush Mount	PVC	2	13	8 - 13	2/23/2023	14:50	Yes						
MW-105A	P200804389	well	728004.5	586769.3	Flush Mount	PVC	2	12	7 - 12	2/23/2023	14:17	Yes						
MW-105B	P200804399	well	727997.3	586765	Flush Mount	Steel	6	40	30 - 40	2/23/2023	14:14	Yes						
MW-112A	E201412398	well	727429.8	587436.7	Flush Mount	PVC	2	15	5 - 15	2/23/2023	08:47	Yes						
MW-117	E201311393	well	728892.7	587296.7	Flush Mount	PVC	4	80	60 - 80	2/23/2023	15:22	Yes						
MW-124A	E201308748	well	726942.4	587673.9	Flush Mount	PVC	2	25	15 - 25	2/23/2023	08:40	Yes						
MW-124B	E201000869	well	726964.8	587683	Flush Mount	Steel	6	34	24 - 34	2/23/2023	08:34	Yes						
MW-131	E201113439	well	727346.1	587994.8	Flush Mount	PVC	2	22.5	12.5 - 22.5	2/23/2023	07:56	Yes					22.5	
MW-131B	E201403623	well	727340.7	587986.9	Flush Mount	PVC	2	37	27 - 37	2/23/2023	07:51	Yes					37	
MW-131C	E201403624	well	727348.9	588002.8	Flush Mount	PVC	2	80	70 - 80	2/23/2023	08:07	Yes					80	
MW-146A	E201204689	well	726815.5	587569.5	Flush Mount	Steel	6	27.1	17.1 - 27.1	2/23/2023	13:52	Yes						
MW-146B	E201306327	well	726751.9	587487.1	Flush Mount	PVC	2	57	42 - 57	2/23/2023	13:36	Yes						
MW-146C	E201306326	well	726766.1	587466.7	Flush Mount	PVC	2	80	60 - 80	2/23/2023	13:27	Yes						
MW-148A	E201207238	well	726943.8	587897.6	Flush Mount	PVC	2	27.6	17.6 - 27.6	2/23/2023	08:24	Yes					27.6	
MW-148B	E201207239	well	726940.4	587907.2	Flush Mount	Steel	6	47.8	36.8 - 47.8	2/23/2023	08:17	Yes					47.82	
MW-15A	2600051888	well	728836.9	587343.8	Flush Mount	PVC	2	15	5 - 15	2/23/2023	15:01	Yes						
MW-172	E201306956	well	727873.3	587694.8	Flush Mount	PVC	2	40	30 - 40	2/23/2023	14:37	Yes						
MW-204C	E201304823	well	728571.9	587527.3	Flush Mount	PVC	2	76.5	56.5 - 76.5	2/23/2023	15:18	Yes						
MW-206B	E201304512	well	729862.6	586092.4	Flush Mount	PVC	2	51.5	41.5 - 51.5	2/23/2023	09:50	Yes						
MW-206C	E201302486	well	729854	586105.2	Flush Mount	PVC	2	81.5	61.5 - 81.5	2/23/2023	09:46	Yes						
MW-216C	E201311207	well	727023.6	587128.2	Flush Mount	PVC	2	80	60 - 80	2/23/2023	13:00	Yes						
MW-230C	E201315813	well	730479.7	586549.3	Flush Mount	PVC	2	80.8	60.8 - 80.8	2/23/2023	11:12	Yes						
MW-257A	E201316278	well	727293.4	587160.1	Flush Mount	PVC	2	30	20 - 30	2/23/2023	14:05	Yes						
MW-257B	E201316279	well	727291.4	587166.7	Flush Mount	PVC	2	50	40 - 50	2/23/2023	14:08	Yes						
MW-259BR	E202010337	well	729843.9	586232.1	Flush Mount	PVC	2	45	35 - 45	2/23/2023	09:40	Yes						
MW-273B	E201401462	well	730565.1	586351.6	Flush Mount	PVC	2	51.47	41.47 - 51.47	2/23/2023	10:51	Yes						
MW-273C	E201401463	well	730554.6	586357.6	Flush Mount	PVC	2	102.17	92.17 - 102.17	2/23/2023	10:56	Yes						
MW-274A	E201404620	well	730012.7	585896.9	Flush Mount	PVC	2	20	5 - 20	2/23/2023	10:16	Yes						
MW-274B	E201404621	well	730023.7	585902.8	Flush Mount	PVC	2	65	55 - 65	2/23/2023	10:21	Yes						
MW-274C	E201404622	well	730034.5	585909.7	Flush Mount	PVC	2	95	85 - 95	2/23/2023	10:26	Yes						
MW-286A	E201401095	well	729818.7	586249.3	Flush Mount	PVC	2	10.27	2.27 - 10.27	2/23/2023	09:36	Yes						
MW-288B	E201403944	well	728623	587466.6	Flush Mount	PVC	2	54.7	34.7 - 54.7	2/23/2023	15:15	Yes						
MW-366B	E201412402	well	727747	587370.3	Flush Mount	PVC	2	45	35 - 45	2/23/2023	14:54	Yes						
MW-373B	E201502842	well	728110.6	587757.3	Flush Mount	PVC	2	77	67 - 77	2/23/2023	14:34	Yes						
MW-373C	E201502843	well	728113.2	587751.1	Flush Mount	PVC	2	118	108 - 118	2/23/2023	14:32	Yes						
MW-377B	E201500786	well	728812.1	588132.9	Flush Mount	PVC	2	90	80 - 90	2/23/2023	14:25	Yes						

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
MW-377C	E201500787	well	728816.5	588135.4	Flush Mount	PVC	2	118	108 - 118	2/23/2023	14:23	Yes						
MW-453C2	E201509739	well	727990.1	587440.6	Flush Mount	PVC	2	110	90 - 110	2/23/2023	14:45	Yes						
MW-457C1	E201509602	well	728099.3	587377.3	Flush Mount	PVC	2	79.9	59.9 - 79.9	2/23/2023	14:42	Yes						
MW-495B	E201514806	well	728813.7	587410.1	Flush Mount	PVC	2	50.5	40.5 - 50.5	2/23/2023	15:05	Yes						
MW-503C	E201701479	well	728801.6	587381.7	Flush Mount	PVC	2	80.5	60.5 - 80.5	2/23/2023	15:09	Yes						

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
138RI-MW1R
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
187RI-MW2
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
66RI-MW4
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
ART-MW-6BR
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-11B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-11D
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-12A
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-12B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-12CR
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-13-D2
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-16A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-16B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-16C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-17C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-24
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-27B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-27C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-28A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-28B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-29B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-29C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-2B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-2-D2
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-30B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-31C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-32A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-32B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-33A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-33B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-33C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-34B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-37B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-38A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-38B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-39B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

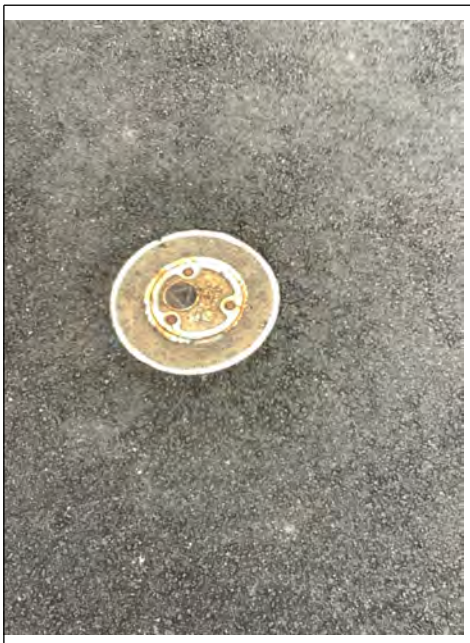
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-39C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-3B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-3-D2
Date: 2/22/2023



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-40A
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-40B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-40C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-41C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-45A
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-4C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-4D
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-52A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-58A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-64A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-67B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-68A
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-6B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-6C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-6D
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7D
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-8A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-8B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-8C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-9A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-157C2
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-168B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-168C1
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-168C2
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-197A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-199B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-102
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-104B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-105A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-105B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-106A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-106B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-112A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-114
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-114A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-117
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-120
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-124A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-124B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-126
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-126B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-126C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-131
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-131B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-131C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-136
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-136B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-136C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-143
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-143B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-143C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-145A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-146A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-146B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-146C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-148A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-148B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-15A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-16
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-170AR
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-170BR
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-171A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-171B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-171C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-172
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-174
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	AK	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-1G
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	AK	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-204C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-206B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-206C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-207A
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-207B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-207C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-209A
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	AK	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-209B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	AK	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-213B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-213C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-214A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-214B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-214C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-215C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-216C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-222
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-222C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-22A
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-230C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-236B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-236C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-237A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-237C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-238C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-24
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-243B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-24C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-257A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-257B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-258B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-258C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-259BR
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-260C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-260-S3
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-265B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-265C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-266A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-266B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-266C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-267A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-267B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-269A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-269C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-270A
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-271A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-271B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-271C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-273B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-273C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-274A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-274B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-274C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-275B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-276A
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-276B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-276C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-286A
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-288B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-295A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-295C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-2G
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	AK	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-304A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-304B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-304C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-347B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-348B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-349B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-349C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-351C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-353A
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-353B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-353C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-357A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-366B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-373B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-373C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

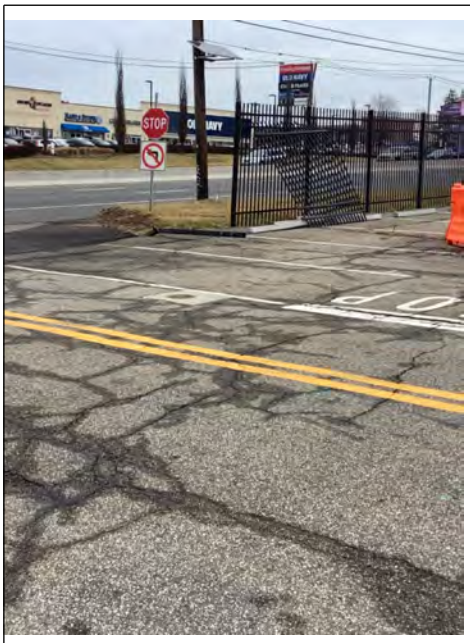
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-375A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-375B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-375C
Date: 2/20/2023



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-376B
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-376C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-377B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-377C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-383A
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-391C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-394C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-416A
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-416B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-416C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-43
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-44
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-44B
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-44C
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-453C2
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-457C1
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-46
Date: 2/22/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-483B
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-483C
Date: 2/21/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-495B
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-503C
Date: 2/23/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-58
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-80C
Date: 2/20/2023

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Attachment 3

Well Inspection Reports - 2024

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
DW-28A	E201402669	well	729432.3	588599.1	Flush Mount	Steel	2	189	179 - 189	2/5/2024	11:21	Yes						NA
DW-28B	E201402668	well	729432.8	588590.5	Flush Mount	Steel	2	321	306 - 321	2/5/2024	11:14	Yes						NA
DW-29C	E201402670	well	729581.4	588345.8	Flush Mount	Steel	4	442	432 - 442	2/5/2024	10:53	Yes						NA
DW-2B	E201217456	well	729154.4	588619.2	Flush Mount	Steel	2	136	126 - 136	2/5/2024	11:54	Yes						NA
DW-2-D2	E201402664	well	729123.3	588637.5	Flush Mount	Steel	2	300	275 - 300	2/5/2024	12:02	Yes						NA
DW-30B	E201315493	well	729995	587688.5	Flush Mount	Steel	2	260	250 - 260	2/5/2024	09:33	No						Well pad broken and displaced by construction activities, well intact
DW-31C	E201402878	well	730293.3	587198	Flush Mount	Steel	4	440	415 - 440	2/5/2024	08:37	Yes						NA
DW-32A	E201318587	well	730479.2	586772.9	Flush Mount	Steel	2	164	154 - 164	2/5/2024	09:42	Yes						NA
DW-32B	E201315585	well	730469.5	586772.7	Flush Mount	Steel	2	301.1	276.1 - 301.1	2/5/2024	08:58	Yes						NA
DW-65-73-S2	E201610167	well	730424.8	587008.9	Flush Mount	PVC	2	73	69 - 73	2/5/2024	08:20	Yes						NA
DW-8A	E201217453	well	729677.7	587898.5	Flush Mount	Steel	2	126	116 - 126	2/5/2024	10:58	Yes						NA
DW-8B	E201217458	well	729655.5	587883.7	Flush Mount	Steel	2	192	182 - 192	2/5/2024	10:18	Yes						NA
DW-8C	E201217463	well	729649.7	587904.2	Flush Mount	Steel	2	307	297 - 307	2/5/2024	10:13	Yes						NA
MW-114	P200910160	well	729160.4	588646.5	Flush Mount	Steel	6	80	60 - 80	2/5/2024	11:47	Yes						NA
MW-114A	E201403604	well	729164.7	588661.5	Flush Mount	PVC	2	75	65 - 75	2/5/2024	11:43	Yes						NA
MW-237A	E201311727	well	730306	587192	Flush Mount	Steel	6	30	20 - 30	2/5/2024	08:33	Yes						NA
MW-237C	E201315220	well	730310.7	587182.9	Flush Mount	PVC	2	120	110 - 120	2/5/2024	08:27	Yes						NA
MW-24	2600036932	well	729720.2	587875.7	Flush Mount	Steel	6	41.7	31.7 - 41.7	2/5/2024	10:35	Yes						NA
MW-24C	E201316485	well	729540.5	587718.5	Flush Mount	PVC	2	49.4	29.4 - 49.4	2/5/2024	13:29	Yes						NA
MW-265B	E201318473	well	729994	587679.7	Flush Mount	PVC	2	50	40 - 50	2/5/2024	09:28	No						Well pad broken and displaced by construction activities, well broken
MW-265C	E201403229	well	730002.1	587665.6	Flush Mount	PVC	2	100	90 - 100	2/5/2024	09:24	No						Well pad broken and displaced by construction activities, well broken
MW-266A	E201318470	well	730470.2	586765.4	Flush Mount	PVC	2	37.8	27.8 - 37.8	2/5/2024	08:53	Yes						NA
MW-266B	E201318471	well	730461	586763.8	Flush Mount	PVC	2	70	60 - 70	2/5/2024	08:43	Yes						NA
MW-266C	E201318472	well	730459.4	586771.3	Flush Mount	PVC	2	95	85 - 95	2/5/2024	08:50	Yes						NA
MW-271A	E201404694	well	729418	588622.5	Flush Mount	PVC	2	60	50 - 60	2/5/2024	11:32	Yes						NA
MW-271B	E201404618	well	729420.1	588609.8	Flush Mount	PVC	2	95	85 - 95	2/5/2024	11:27	Yes						NA
MW-271C	E201404615	well	729404.8	588618.4	Flush Mount	PVC	2	135	125 - 135	2/5/2024	11:36	Yes						NA
MW-295A	E201404289	well	729711.1	587944.9	Flush Mount	PVC	2	25	10 - 25	2/5/2024	10:05	Yes						NA
MW-295C	E201511978	well	729709.5	587940.4	Flush Mount	steel	6	84.7	76.7 - 84.7	2/5/2024	10:09	Yes						NA
MW-357A	E201409766	well	729942.4	587128.4	Flush Mount	Steel	6	25.4	15.4 - 25.4	2/5/2024	13:09	Yes						NA
MW-375A	E201414287	well	729520.3	588450.6	Flush Mount	Steel	6	54	34 - 54	2/5/2024	10:58	Yes						NA
MW-375B	E201414288	well	729510.8	588465.3	Flush Mount	PVC	2	78	68 - 78	2/5/2024	11:04	Yes						NA
MW-375C	E201414289	well	729505.9	588473.5	Flush Mount	PVC	2	135	115 - 135	2/5/2024	11:10	Yes						NA
MW-376B	E201414290	well	729085.7	588446.8	Flush Mount	PVC	2	86	76 - 86	2/5/2024	12:07	Yes						NA
MW-376C	E201414291	well	729090.6	588440.9	Flush Mount	PVC	2	128	113 - 128	2/5/2024	12:10	Yes						NA
MW-383A	E201415541	well	729799.2	587939.1	Flush Mount	Stainless	2	25	10 - 25	2/5/2024	10:00	Yes						NA
MW-394C	E201415860	well	730153.2	586878.1	Flush Mount	PVC	2	103	93 - 103	2/5/2024	13:20	Yes						NA
MW-58	2600068227	well	730500.4	586874.8	Flush Mount	PVC	2	36	21 - 36	2/5/2024	08:15	Yes						NA
MW-80C	E201316488	well	729693.3	587877.2	Flush Mount	PVC	2	25	10 - 25	2/5/2024	10:25	Yes						NA

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										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
ART-MW-6BR	E201501062	well	729396	587088.1	Flush Mount	Stainless	4	42.5	27.5 - 42.5	2/6/2024	13:30	Yes						NA
DW-12A	E201300227	well	729676	587042.1	Flush Mount	Steel	2	134	124 - 134	2/6/2024	13:37	Yes						NA
DW-12B	E201300228	well	729663.6	587010.2	Flush Mount	Steel	2	191	181 - 191	2/6/2024	13:42	Yes						NA
DW-12CR	E201412451	well	729684.5	587021.9	Flush Mount	Steel	4	520.1	495.1 - 520.1	2/6/2024	13:46	Yes						NA
DW-29B	E201315491	well	729594.5	588339	Flush Mount	Steel	2	300	275 - 300	2/6/2024	09:30	No						Well pad destroyed, well intact
DW-37B	E201400890	well	728464.3	588325.2	Flush Mount	Steel	4	299.6	289.6 - 299.6	2/6/2024	08:47	Yes						NA
DW-38A	E201401595	well	728209.8	588146	Flush Mount	Steel	2	191	166 - 191	2/6/2024	08:34	Yes						NA
DW-38B	E201400995	well	728215.4	588152.2	Flush Mount	Steel	4	267	247 - 267	2/6/2024	08:36	Yes						NA
DW-39B	E201402679	well	727543.6	587876.6	Flush Mount	Steel	2	296	286 - 296	2/6/2024	10:23	Yes						NA
DW-39C	E201402680	well	727532.4	587873.2	Flush Mount	Steel	4	496	471 - 496	2/6/2024	10:28	Yes						NA
DW-3B	E201218158	well	728010.4	587943.9	Flush Mount	Steel	2	122	112 - 122	2/6/2024	08:20	Yes						NA
DW-3-D2	E201402663	well	728019	587954.5	Flush Mount	Steel	2	300	275 - 300	2/6/2024	08:24	Yes						NA
DW-41C	E201407799	well	728937.9	587955.3	Flush Mount	Steel	4	450.1	425.1 - 450.1	2/6/2024	10:58	Yes						NA
DW-45A	E201409402	well	729057.6	587503	Flush Mount	Steel	2	146.2	121.2 - 146.2	2/6/2024	12:30	Yes						NA
DW-52A	E201413312	well	727744.7	587361.5	Flush Mount	Steel	2	130	115 - 130	2/6/2024	10:15	Yes						NA
DW-58A	E201413476	well	728115	587746.1	Flush Mount	Steel	2	240	215 - 240	2/6/2024	09:40	Yes						NA
DW-67B	E201509857	well	729861.1	586836.9	Flush Mount	Steel	2	274.9	264.9 - 274.9	2/6/2024	14:53	Yes						NA
DW-68A	E201509856	well	729559.9	586884.9	Flush Mount	Steel	2	205	195 - 205	2/6/2024	14:13	Yes						NA
DW-6B	E201218159	well	728578.8	587806	Flush Mount	Steel	2	114.6	104.6 - 114.6	2/6/2024	11:05	Yes						NA
DW-6D	E201301046	well	728561.5	587796.5	Flush Mount	Steel	4	497.9	472.9 - 497.9	2/6/2024	11:09	Yes						NA
DW-9A	E201217454	well	729195.9	587693.6	Flush Mount	Steel	2	95.1	85.1 - 95.1	2/6/2024	11:01	Yes						NA
IW-157C2	E201509285	injection	727960	587320.7	Flush Mount	Steel	6	105.1	80.1 - 105.1	2/6/2024	10:09	Yes						NA
IW-168B	E201507919	injection	728400.8	587243.5	Flush Mount	Steel	6	56.7	31.7 - 56.7	2/6/2024	08:02	Yes						NA
IW-168C1	E201507920	injection	728392.4	587243.9	Flush Mount	Steel	6	81.8	56.8 - 81.8	2/6/2024	08:09	Yes						NA
IW-168C2	E201507921	injection	728396.4	587252.2	Flush Mount	Steel	6	106.9	81.9 - 106.9	2/6/2024	08:07	Yes						NA
MW-102	P200804386	well	727920.5	587256.2	Flush Mount	PVC	2	13	8 - 13	2/6/2024	10:12	Yes						NA
MW-117	E201311393	well	728892.7	587296.7	Flush Mount	PVC	4	80	60 - 80	2/6/2024	12:35	Yes						NA
MW-120	P200910157	well	728039	587977.7	Flush Mount	PVC	4	80	30 - 80	2/6/2024	08:29	Yes						NA
MW-136	E201113727	well	729586.1	586898.1	Flush Mount	PVC	2	19	9 - 19	2/6/2024	14:02	Yes						NA
MW-136B	E201416041	well	729581.5	586911.3	Flush Mount	Steel	6	50	40 - 50	2/6/2024	13:57	Yes						NA
MW-136C	E201415879	well	729572.2	586896.7	Flush Mount	PVC	2	100	90 - 100	2/6/2024	14:08	Yes						NA
MW-143	E201115791	well	727606.3	587603.9	Flush Mount	PVC	2	26.5	16.5 - 26.5	2/6/2024	10:53	Yes						NA
MW-143B	E201403608	well	727618.8	587609.5	Flush Mount	PVC	2	50	40 - 50	2/6/2024	10:44	Yes						Na
MW-143C	E201412330	well	727609.8	587610.6	Flush Mount	PVC	2	85	75 - 85	2/6/2024	10:49	Yes						NA
MW-15A	2600051888	well	728836.9	587343.8	Flush Mount	PVC	2	15	5 - 15	2/6/2024	12:38	Yes						NA
MW-170AR	E201510908	well	729358.6	587402.7	Flush Mount	PVC	2	17	7 - 17	2/6/2024	12:56	Yes						NA
MW-170BR	E201510907	well	729358.6	587412.1	Flush Mount	PVC	2	40	30 - 40	2/6/2024	12:59	Yes						NA
MW-172	E201306956	well	727873.3	587694.8	Flush Mount	PVC	2	40	30 - 40	2/6/2024	09:56	Yes						NA
MW-204C	E201304823	well	728571.9	587527.3	Flush Mount	PVC	2	76.5	56.5 - 76.5	2/6/2024	11:20	Yes						NA
MW-238C	E201312547	well	728587.6	587190.8	Flush Mount	PVC	2	79.9	69.9 - 79.9	2/6/2024	11:29	Yes						NA
MW-260C	E201310429	well	728709.4	588578.3	Flush Mount	PVC	2	79.9	59.9 - 79.9	2/6/2024	09:05	Yes						NA
MW-260-S3	E201403642	well	728737.5	588555.8	Flush Mount	PVC	2	136.2	121.2 - 136.2	2/6/2024	09:00	Yes						NA
MW-269A	E201401593	well	728226	588163.3	Flush Mount	PVC	2	57	47 - 57	2/6/2024	08:44	Yes						NA
MW-269C	E201401594	well	728220.5	588157.6	Flush Mount	PVC	2	125	115 - 125	2/6/2024	08:41	Yes						NA
MW-270A	E201401596	well	728502.6	588348.5	Flush Mount	PVC	2	62	52 - 62	2/6/2024	08:54	Yes						NA
MW-276A	E201403620	well	727544.7	587900.3	Flush Mount	PVC	2	30	20 - 30	2/6/2024	10:39	Yes						NA
MW-276B	E201403621	well	727533.1	587896.9	Flush Mount	PVC	2	55	45 - 55	2/6/2024	10:35	Yes						NA
MW-276C	E201403622	well	727522	587892.6	Flush Mount	PVC	2	90	80 - 90	2/6/2024	10:32	Yes						NA
MW-288B	E201403944	well	728623	587466.6	Flush Mount	PVC	2	54.7	34.7 - 54.7	2/6/2024	11:24	Yes						NA
MW-351C	E201409431	well	729456.4	587469.9	Flush Mount	PVC	2	87.52	62.52 - 87.52	2/6/2024	13:19	Yes						NA
MW-366B	E201412402	well	727747	587370.3	Flush Mount	PVC	2	45	35 - 45	2/6/2024	10:18	Yes						NA
MW-373B	E201502842	well	728110.6	587757.3	Flush Mount	PVC	2	77	67 - 77	2/6/2024	09:50	Yes						NA
MW-373C	E201502843	well	728113.2	587751.1	Flush Mount	PVC	2	118	108 - 118	2/6/2024	09:44	Yes						NA
MW-377B	E201500786	well	728812.1	588132.9	Flush Mount	PVC	2	90	80 - 90	2/6/2024	09:12	Yes						NA

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MW-377C	E201500787	well	728816.5	588135.4	Flush Mount	PVC	2	118	108 - 118	2/6/2024	09:09	Yes						NA
MW-391C	E201415873	well	729860.3	586821	Flush Mount	PVC	2	123.6	113.6 - 123.6	2/6/2024	14:34	Yes						NA
MW-416A	E201501198	well	729639.6	586759.1	Flush Mount	Steel	6	38	19 - 38	2/6/2024	14:22	Yes						NA
MW-416B	E201501197	well	729637.8	586752.3	Flush Mount	Steel	6	55	45 - 55	2/6/2024	14:25	Yes						NA
MW-416C	E201501192	well	729633.1	586759.2	Flush Mount	PVC	2	115	105 - 115	2/6/2024	14:30	Yes						NA
MW-453C2	E201509739	well	727990.1	587440.6	Flush Mount	PVC	2	110	90 - 110	2/6/2024	10:05	Yes						NA
MW-457C1	E201509602	well	728099.3	587377.3	Flush Mount	PVC	2	79.9	59.9 - 79.9	2/6/2024	10:01	Yes						NA
MW-46	2600060830	well	727976	587931	Flush Mount	Steel	6	62	38 - 62	2/6/2024	08:14	Yes						NA
MW-495B	E201514806	well	728813.7	587410.1	Flush Mount	PVC	2	50.5	40.5 - 50.5	2/6/2024	12:47	Yes						NA
MW-503C	E201701479	well	728801.6	587381.7	Flush Mount	PVC	2	80.5	60.5 - 80.5	2/6/2024	12:42	Yes						NA

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138RI-MW1R	E202010338	well	729698.5	586409.1	Flush Mount	PVC	2	32	22 - 32	2/7/2024	08:25	Yes						NA
187RI-MW2	E201305798	well	729168.4	586570	Flush Mount	PVC	2	12	2 - 12	2/7/2024	13:34	Yes						NA
66RI-MW4	E201304931	well	730201.6	586648.3	Flush Mount	PVC	2	15.4	8.4 - 15.4	2/7/2024	09:56	Yes						NA
DW-13-D2	E201402656	well	728814	586527	Flush Mount	Steel	2	250	240 - 250	2/7/2024	14:08	Yes						NA
DW-16A	E201300231	well	729998.8	585961.9	Flush Mount	Steel	2	218.1	208.1 - 218.1	2/7/2024	08:54	Yes						NA
DW-16B	E201300232	well	730015.7	585937.3	Flush Mount	Steel	2	298.4	288.4 - 298.4	2/7/2024	09:10	Yes						NA
DW-16C	E201301078	well	729997.3	585932.2	Flush Mount	Steel	4	444.4	419.4 - 444.4	2/7/2024	08:59	Yes						NA
DW-33A	E201401464	well	730549.1	586343.9	Flush Mount	Steel	2	161.26	151.26 - 161.26	2/7/2024	09:30	Yes						NA
DW-33B	E201318598	well	730558.6	586347.9	Flush Mount	Steel	2	280.27	270.27 - 280.27	2/7/2024	09:31	Yes						NA
DW-33C	E201402654	well	730544.6	586356	Flush Mount	Steel	4	426.16	401.16 - 426.16	2/7/2024	09:41	Yes						NA
DW-34B	E201315235	well	730437.9	585625.2	Flush Mount	Steel	2	300	275 - 300	2/7/2024	09:24	Yes						NA
DW-40A	E201402658	well	728573.9	586742.6	Flush Mount	Steel	2	147	137 - 147	2/7/2024	14:45	Yes						NA
DW-40B	E201402657	well	728562.6	586735.2	Flush Mount	Steel	2	251	241 - 251	2/7/2024	14:40	Yes						NA
DW-40C	E201410074	well	728567.8	586753.9	Flush Mount	Steel	4	400	375 - 400	2/7/2024	14:49	Yes						NA
IW-197A	E201903466	injection	729246.8	586821.6	Flush Mount	PVC	4	29.3	23.3 - 28.3	2/7/2024	11:16	Yes						NA
IW-199B	E201903468	injection	729252.9	586826.3	Flush Mount	PVC	4	43.6	27.6 - 42.6	2/7/2024	11:07	Yes						NA
MW-126	E201012851	well	728465.1	586853.6	Flush Mount	PVC	2	15	5 - 15	2/7/2024	14:55	Yes						NA
MW-126B	E201405728	well	728471.5	586845.2	Flush Mount	PVC	2	50	40 - 50	2/7/2024	14:52	Yes						NA
MW-126C	E201405729	well	728459.2	586847.9	Flush Mount	PVC	2	80	70 - 80	2/7/2024	14:59	Yes						NA
MW-174	E201303564	well	729572.8	587513.8	Flush Mount	Steel	6	38	28 - 38	2/7/2024	08:00							Parked over
MW-206B	E201304512	well	729862.6	586092.4	Flush Mount	PVC	2	51.5	41.5 - 51.5	2/7/2024	08:46	Yes						NA
MW-206C	E201302486	well	729854	586105.2	Flush Mount	PVC	2	81.5	61.5 - 81.5	2/7/2024	08:45	Yes						NA
MW-207A	E201304515	well	728999.2	586307.3	Flush Mount	PVC	2	15	5 - 15	2/7/2024	13:46	Yes						NA
MW-207B	E201304516	well	729020.2	586304.4	Flush Mount	PVC	2	48	38 - 48	2/7/2024	13:43	Yes						NA
MW-207C	E201302495	well	729009.1	586294.2	Flush Mount	PVC	2	80	60 - 80	2/7/2024	13:52							Inaccessible by stonepallet
MW-22A	2600051883	well	728799.5	586803.5	Flush Mount	Steel	6	44.2	24.2 - 44.2	2/7/2024	11:50	Yes						NA
MW-230C	E201315813	well	730479.7	586549.3	Flush Mount	PVC	2	80.8	60.8 - 80.8	2/7/2024	09:51	Yes						NA
MW-243B	E201401692	well	729297.6	587132.3	Flush Mount	Stainless	2	51.1	31.1 - 51.1	2/7/2024	10:34	Yes						NA
MW-259BR	E202010337	well	729843.9	586232.1	Flush Mount	PVC	2	45	35 - 45	2/7/2024	08:37	Yes						
MW-267A	E201400817	well	730443.2	585617.3	Flush Mount	PVC	2	56	46 - 56	2/7/2024	09:26	Yes						NA
MW-267B	E201318590	well	730413.3	585661.4	Flush Mount	PVC	2	105	95 - 105	2/7/2024	09:20	Yes						NA
MW-273B	E201401462	well	730565.1	586351.6	Flush Mount	PVC	2	51.47	41.47 - 51.47	2/7/2024	09:35	Yes						NA
MW-273C	E201401463	well	730554.6	586357.6	Flush Mount	PVC	2	102.17	92.17 - 102.17	2/7/2024	09:39	Yes						NA
MW-274A	E201404620	well	730012.7	585896.9	Flush Mount	PVC	2	20	5 - 20	2/7/2024	09:14	Yes						NA
MW-274B	E201404621	well	730023.7	585902.8	Flush Mount	PVC	2	65	55 - 65	2/7/2024	09:15	Yes						NA
MW-274C	E201404622	well	730034.5	585909.7	Flush Mount	PVC	2	95	85 - 95	2/7/2024	09:15	Yes						NA
MW-275B	E201405043	well	728554.8	586671.4	Flush Mount	PVC	2	45	35 - 45	2/7/2024	14:33	Yes						NA
MW-286A	E201401095	well	729818.7	586249.3	Flush Mount	PVC	2	10.27	2.27 - 10.27	2/7/2024	08:34	Yes						NA
MW-347B	E201407735	well	728894	586519.8	Flush Mount	PVC	2	60	40 - 60	2/7/2024	14:02	Yes						NA
MW-348B	E201407806	well	728818.8	586485.8	Flush Mount	PVC	2	60	50 - 60	2/7/2024	13:27	Yes						NA
MW-349B	E201408235	well	728709.4	586629.3	Flush Mount	PVC	2	60	40 - 60	2/7/2024	14:27	Yes						NA
MW-349C	E201408236	well	728703.5	586625.1	Flush Mount	PVC	2	100	90 - 100	2/7/2024	14:25	Yes						NA
MW-43	2600054720	well	729302.7	586287.5	Flush Mount	PVC	2	24.5	14.5 - 24.5	2/7/2024	13:04	Yes						NA
MW-483B	E201511555	well	729110	586416.8	Flush Mount	PVC	2	60	50 - 60	2/7/2024	13:27	Yes						NA
MW-483C	E201511552	well	729108.4	586425.3	Flush Mount	PVC	2	80	60 - 80	2/7/2024	13:13	Yes						NA

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
DW-11B	E201300242	well	727529.8	586764	Flush Mount	Steel	2	100	90 - 100	2/8/2024	12:57	Yes						NA
DW-11D	E201300243	well	727514.7	586755	Flush Mount	Steel	2	450	425 - 450	2/8/2024	13:00	Yes						NA
DW-17C	E201301431	well	726940.4	588315.2	Flush Mount	Steel	2	120	110 - 120	2/8/2024	11:09	Yes						Na
DW-24	E201314457	well	726074	587288.7	Flush Mount	PVC	2	175	150 - 175	2/8/2024	14:31	Yes						Na
DW-27B	E201315239	well	729550.7	586191.3	Flush Mount	Steel	2	299.8	274.8 - 299.8	2/8/2024	11:47	Yes						Na
DW-27C	E201402655	well	729558.8	586203.3	Flush Mount	Steel	4	425	400 - 425	2/8/2024	11:51	Yes						NA
DW-4C	E201306325	well	726800.5	587427.1	Flush Mount	Steel	2	142	117 - 142	2/8/2024	13:17	Yes						Na
DW-4D	E201306324	well	726814.3	587414.1	Flush Mount	Steel	4	450	425 - 450	2/8/2024	13:15	Yes						Na
DW-64A	E201500412	well	729610.1	588651.2	Flush Mount	Steel	2	250	235 - 250	2/8/2024	08:14	Yes						NA
DW-70-83-S3	E201613409	well	731528.9	586948.8	Flush Mount	PVC	2	83.3	75.3 - 83.3	2/8/2024	09:20	Yes						NA
DW-72-120-S3	E201613407	well	729985.6	588890.6	Flush Mount	PVC	2	120.3	116.3 - 120.3	2/8/2024	08:25	Yes						NA
DW-7A	E201411635	well	729994.2	588037.5	Flush Mount	Steel	2	127	112 - 127	2/8/2024	08:43	Yes						NA
DW-7B	E201305678	well	729990.1	588047.7	Flush Mount	Steel	2	180	165 - 180	2/8/2024	08:37	Yes						NA
DW-7C	E201305675	well	729993.3	588054.2	Flush Mount	Steel	2	345	335 - 345	2/8/2024	09:26	Yes						NA
DW-7D	E201305674	well	730001.1	588041.5	Flush Mount	Steel	4	450	425 - 450	2/8/2024	08:40	Yes						NA
MW-104B	P200804398	well	728107.8	587026.2	Flush Mount	Steel	6	34	24 - 34	2/8/2024	10:40	Yes						NA
MW-105A	P200804389	well	728004.5	586769.3	Flush Mount	PVC	2	12	7 - 12	2/8/2024	14:02	Yes						Na
MW-105B	P200804399	well	727997.3	586765	Flush Mount	Steel	6	40	30 - 40	2/8/2024	14:04	Yes						Na
MW-106A	P200804390	well	727971.4	587094.4	Flush Mount	PVC	2	13	8 - 13	2/8/2024	10:37	Yes						Na
MW-106B	P200804400	well	727960.4	587097.7	Flush Mount	Steel	6	34	24 - 34	2/8/2024	10:35	Yes						Na
MW-112A	E201412398	well	727429.8	587436.7	Flush Mount	PVC	2	15	5 - 15	2/8/2024	11:40	Yes						Na
MW-124A	E201308748	well	726942.4	587673.9	Flush Mount	PVC	2	25	15 - 25	2/8/2024	11:33	Yes						Na
MW-124B	E201000869	well	726964.8	587683	Flush Mount	Steel	6	34	24 - 34	2/8/2024	10:35	Yes						Na
MW-131	E201113439	well	727346.1	587994.8	Flush Mount	PVC	2	22.5	12.5 - 22.5	2/8/2024	11:17	Yes						Na
MW-131B	E201403623	well	727340.7	587986.9	Flush Mount	PVC	2	37	27 - 37	2/8/2024	11:19	Yes						Na
MW-131C	E201403624	well	727348.9	588002.8	Flush Mount	PVC	2	80	70 - 80	2/8/2024	11:15	Yes						Na
MW-145A	E201204688	well	727221.2	587435.1	Flush Mount	PVC	2	27.5	17.5 - 27.5	2/8/2024	10:10	Yes						Na
MW-146A	E201204689	well	726815.5	587569.5	Flush Mount	Steel	6	27.1	17.1 - 27.1	2/8/2024	13:32	Yes						Na
MW-146B	E201306327	well	726751.9	587487.1	Flush Mount	PVC	2	57	42 - 57	2/8/2024	13:22	Yes						Na
MW-146C	E201306326	well	726766.1	587466.7	Flush Mount	PVC	2	80	60 - 80	2/8/2024	13:19	Yes						Na
MW-148A	E201207238	well	726943.8	587897.6	Flush Mount	PVC	2	27.6	17.6 - 27.6	2/8/2024	11:27	Yes						Na
MW-148B	E201207239	well	726940.4	587907.2	Flush Mount	Steel	6	47.8	36.8 - 47.8	2/8/2024	11:25	Yes						Na
MW-171A	E201306954	well	727431.3	587218.3	Flush Mount	PVC	2	35	25 - 35	2/8/2024	10:03	Yes						Na
MW-171B	E201307651	well	727422.9	587222.1	Flush Mount	PVC	2	50	40 - 50	2/8/2024	10:07	Yes						Na
MW-171C	E201307673	well	727441.6	587213.7	Flush Mount	PVC	2	80	60 - 80	2/8/2024	10:00	Yes						NA
MW-1G	E201216675	well	728414.6	586784.4	Flush Mount	PVC	2	14	4 - 14	2/8/2024	09:35	Yes						Na
MW-201	E201303451	well	730009	588019.4	Flush Mount	PVC	2	37	27 - 37	2/8/2024	08:55	Yes						NA
MW-201A	E201306049	well	730011.2	588021.3	Flush Mount	PVC	2	25	10 - 25	2/8/2024	08:53	Yes						NA
MW-201B	E201411640	well	730005.5	588034	Flush Mount	PVC	2	50	40 - 50	2/8/2024	08:46	Yes						NA
MW-201C	E201411639	well	729998.7	588029.9	Flush Mount	PVC	2	96	86 - 96	2/8/2024	08:50	Yes						NA
MW-209A	E201306459	well	728173.8	586675.7	Flush Mount	PVC	2	18	8 - 18	2/8/2024	09:40	Yes						Na
MW-209B	E201306460	well	728175	586684.4	Flush Mount	PVC	2	40	30 - 40	2/8/2024	09:45	Yes						Na
MW-213B	E201311462	well	728882.6	585877	Flush Mount	PVC	2	50	40 - 50	2/8/2024	12:45	Yes						Na
MW-213C	E201311466	well	728866.5	585866.1	Flush Mount	PVC	2	80	60 - 80	2/8/2024	12:47	Yes						Na
MW-214A	E201311468	well	728476.3	586290.3	Flush Mount	PVC	2	25	20 - 25	2/8/2024	12:49	Yes						NA
MW-214B	E201312148	well	728487.5	586293.1	Flush Mount	PVC	2	50	40 - 50	2/8/2024	12:53	Yes						NA
MW-215C	E201311204	well	727501.6	586748.1	Flush Mount	PVC	2	80	60 - 80	2/8/2024	13:08	Yes						NA
MW-216C	E201311207	well	727023.6	587128.2	Flush Mount	PVC	2	80	60 - 80	2/8/2024	13:10	Yes						NA
MW-222	E201313503	well	726107.5	588022	Flush Mount	PVC	2	80	70 - 80	2/8/2024	14:19	Yes						Na
MW-222C	E201311482	well	726102.6	588002.6	Flush Mount	PVC	2	257	247 - 257	2/8/2024	14:16	Yes						NA
MW-236B	E201312196	well	727770.2	586507.2	Flush Mount	PVC	2	40	30 - 40	2/8/2024	14:42	Yes						Na
MW-236C	E201312197	well	727773.7	586501.7	Flush Mount	PVC	2	57	47 - 57	2/8/2024	14:45	Yes						Na
MW-257A	E201316278	well	727293.4	587160.1	Flush Mount	PVC	2	30	20 - 30	2/8/2024	13:41	Yes						Na
MW-257B	E201316279	well	727291.4	587166.7	Flush Mount	PVC	2	50	40 - 50	2/8/2024	13:43	Yes						Na

Well Inventory and Inspection Summary
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Well Designation	Permit Number	Well Type	State Plane Northing (NAD83)	State Plane Easting (NAD83)	Well Surface Finish	Inner Casing Type	Inner Casing Diameter (in)	Installed Depth (ft. bgs)	Screened Interval (ft. bgs)	Inspection								
										Inspection Date	Inspection Time	Pad in Good Condition	Permit Number Displayed	Well Cap Present	Lock Present	Water in Vault	Measured Depth to Bottom (ft. btoc)	Comments
MW-258B	E201315392	well	726060.1	587280.1	Flush Mount	PVC	2	84	59 - 84	2/8/2024	14:36	Yes						Na
MW-258C	E201314458	well	726067.9	587287.2	Flush Mount	PVC	2	130	105 - 130	2/8/2024	14:33	Yes						Na
MW-2G	E201216676	well	728355.2	586720	Flush Mount	PVC	2	13	4 - 13	2/8/2024	09:37	Yes						NA
MW-304A	E201510844	well	727725.7	587206.2	Flush Mount	PVC	4	20	10 - 20	2/8/2024	10:18	Yes						Na
MW-304B	E201510845	well	727718.8	587211.9	Flush Mount	PVC	4	50	30 - 50	2/8/2024	10:15	Yes						Na
MW-304C	E201510846	well	727739.8	587212.9	Flush Mount	PVC	4	90	70 - 90	2/8/2024	10:20	Yes						Na
MW-353A	E201501296	well	729618.1	588636.6	Flush Mount	PVC	2	55	45 - 55	2/8/2024	08:01	Yes						NA
MW-353B	E201501297	well	729614.4	588639.7	Flush Mount	PVC	2	84	74 - 84	2/8/2024	08:05							NA
MW-353C	E201501299	well	729615.5	588642.2	Flush Mount	PVC	2	130	120 - 130	2/8/2024	08:09	Yes						NA
MW-44	2600054721	well	729476.5	586150.6	Flush Mount	PVC	2	19.1	9.1 - 19.1	2/8/2024	11:48	Yes						Na
MW-44B	E201304514	well	729459.4	586157.3	Flush Mount	PVC	2	45.1	35.1 - 45.1	2/8/2024	12:01							Na
MW-44C	E201302491	well	729460.3	586139.7	Flush Mount	PVC	2	81.3	61.3 - 81.3	2/8/2024	12:03	Yes						Na

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
138RI-MW1R
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
187RI-MW2
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
66RI-MW4
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
ART-MW-6BR
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-11B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-11D
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-12A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-12B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-12CR
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-13-D2
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-16A
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-16B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-16C
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

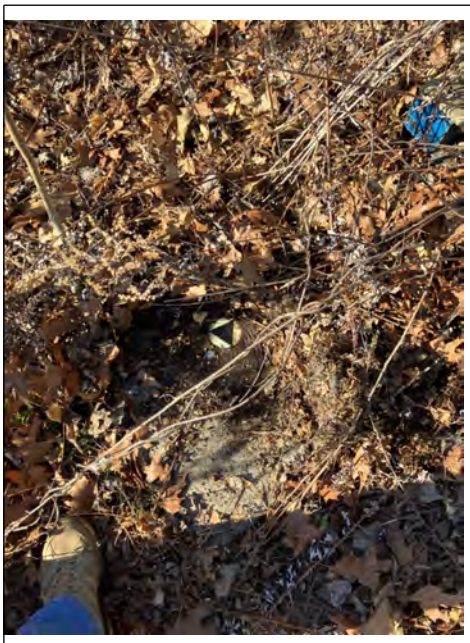
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-17C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-24
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-27B
Date: 2/8/2024



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-27C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-28A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-28B
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

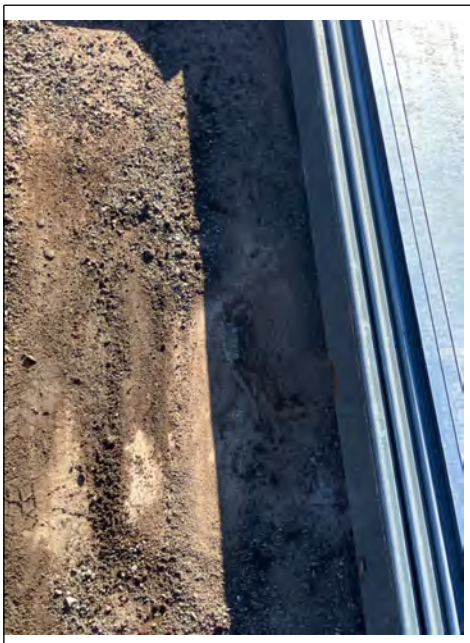
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-29B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 2	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-29B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	2 of 2	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-29C
Date: 2/5/2024



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-2B
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-2-D2
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-30B
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-31C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-32A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-32B
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-33A
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-33B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-33C
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-34B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-37B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-38A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-38B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-39B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

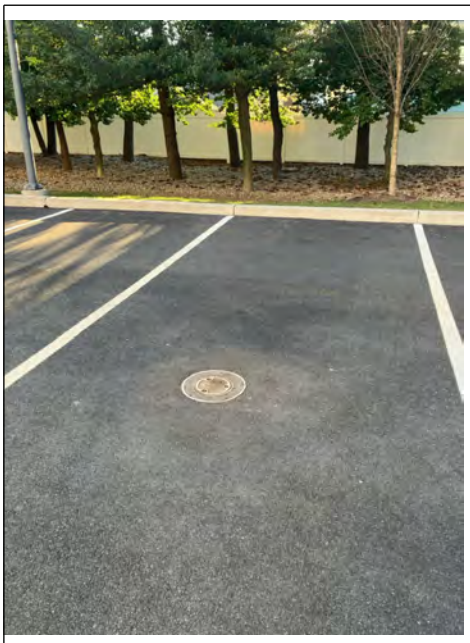
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-39C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-3B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-3-D2
Date: 2/6/2024



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-40A
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-40B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-40C
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-41C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-45A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-4C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-4D
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-52A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-58A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-64A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-65-73-S2
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-67B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-68A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-6B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-6D
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-70-83-S3
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-72-120-S3
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-7D
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-8A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-8B
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-8C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
DW-9A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-157C2
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

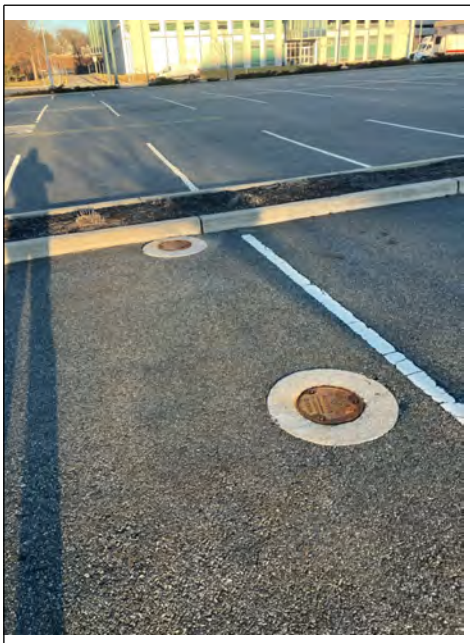
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-168B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-168C1
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-168C2
Date: 2/6/2024



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-197A
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
IW-199B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-102
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-104B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-105A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-105B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-106A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-106B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-112A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-114
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

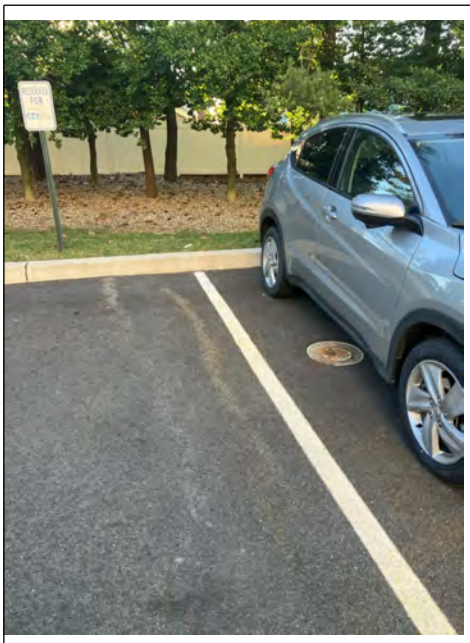
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-114A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-117
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-120
Date: 2/6/2024



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-124A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-124B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-126
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-126B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-126C
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-131
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-131B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-131C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-136
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-136B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-136C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-143
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-143B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-143C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-145A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-146A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-146B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-146C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-148A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-148B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-15A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-170AR
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-170BR
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-171A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

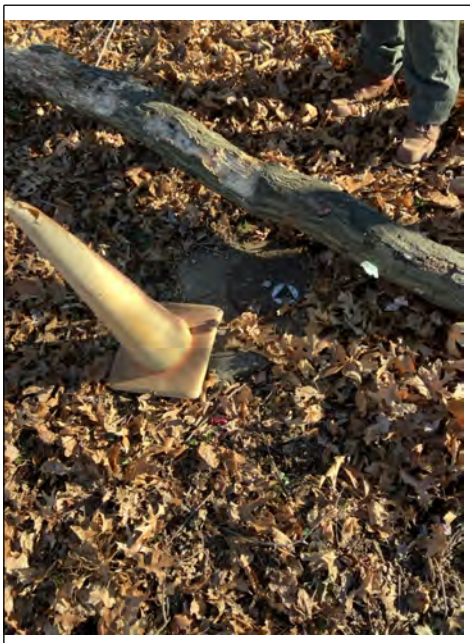
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-171B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-171C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-172
Date: 2/6/2024



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-174
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-1G
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-201C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-204C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-206B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-206C
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-207A
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-207B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-207C
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-209A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-209B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-213B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-213C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-214A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-214B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-215C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-216C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-222
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

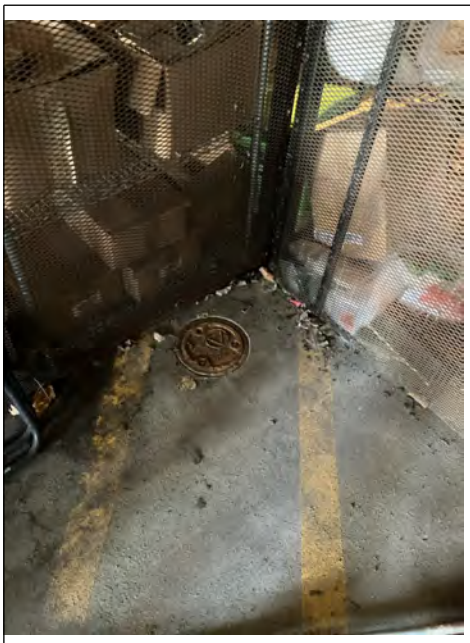
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-222C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-22A
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-230C
Date: 2/7/2024



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-236B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-236C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-237A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-237C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-238C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-24
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-243B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-24C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-257A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-257B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-258B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-258C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-259BR
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-260C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-260-S3
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-265B
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-265C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-266A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

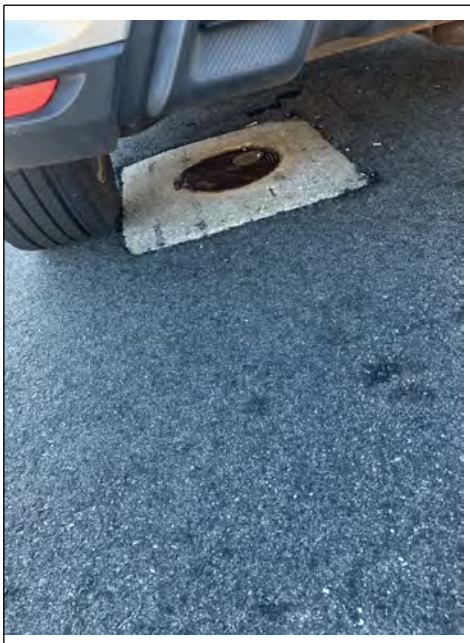
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-266B
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-266C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-267A
Date: 2/7/2024



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-267B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-269A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-269C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-270A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-271A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-271B
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-271C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-273B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-273C
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-274A
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-274B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-274C
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-275B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-276A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-276B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-276C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-286A
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-288B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-295A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-295C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-2G
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-304A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-304B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-304C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-347B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-348B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-349B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-349C
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-351C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-353A
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-353B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-353C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-357A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-366B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-373B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-373C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-375A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-375B
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-375C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-376B
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

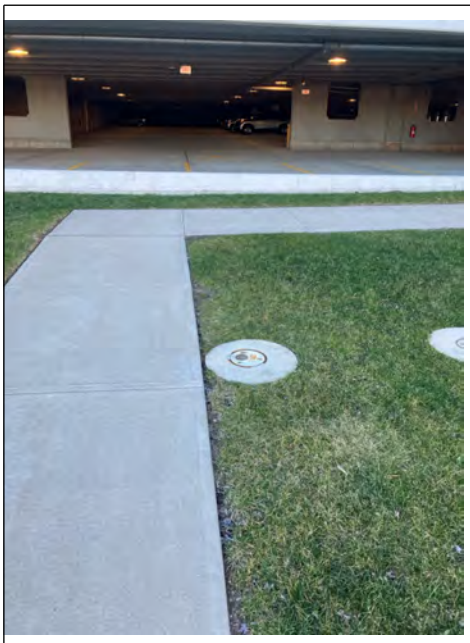
Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-376C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-377B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-377C
Date: 2/6/2024



TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-383A
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-391C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-394C
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-416A
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-416B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-416C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-43
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-44
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-44B
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-44C
Date: 2/8/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-453C2
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-457C1
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-46
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-483B
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-483C
Date: 2/7/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	EE	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-495B
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-503C
Date: 2/6/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-58
Date: 2/5/2024

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
MW-80C
Date: 2/5/2024

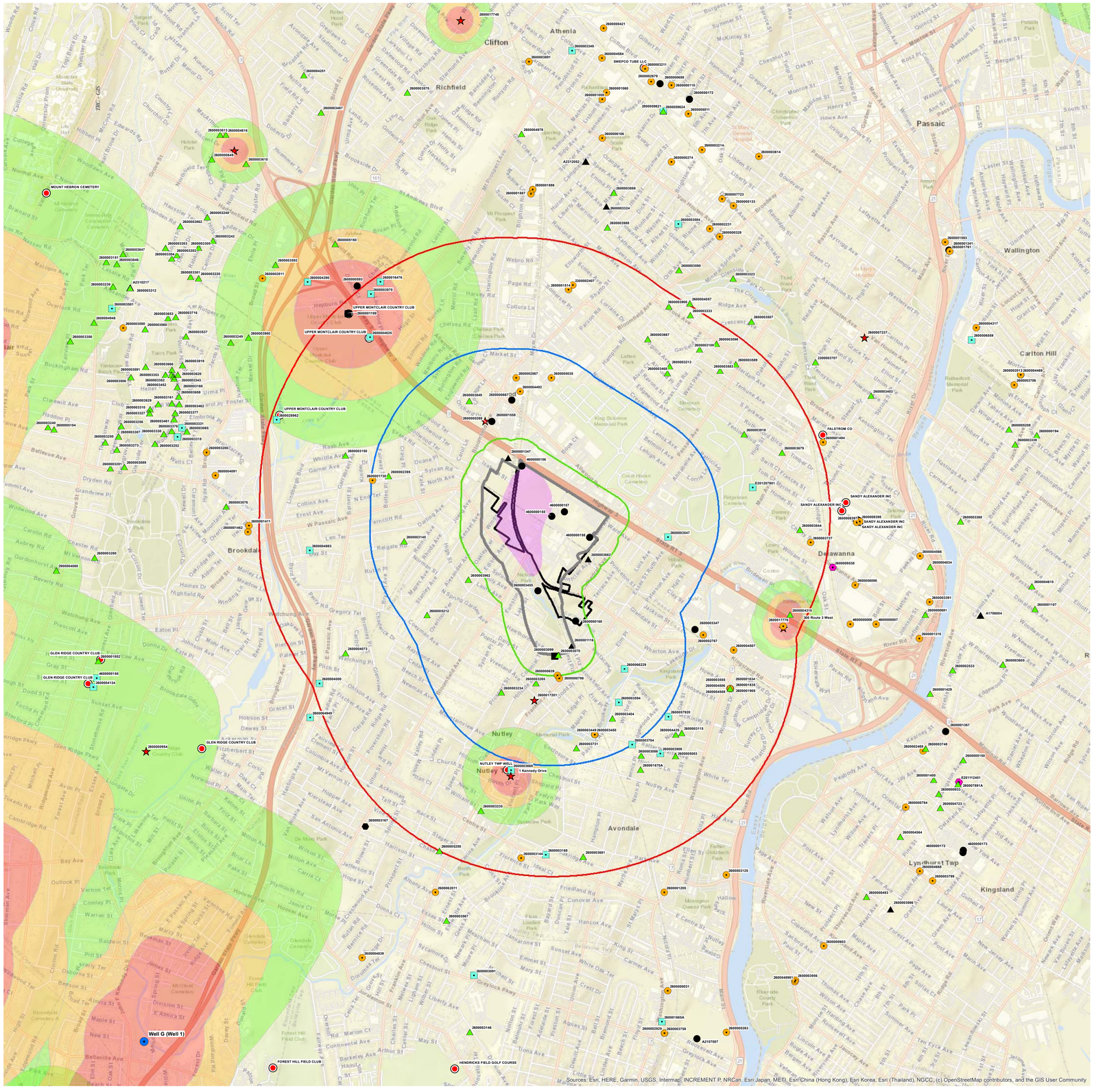
TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
105009	BM	1 of 1	Hoffmann-La Roche, Inc.	Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey	TRC

ATTACHMENT 4

Roche Groundwater Biennial Certification

Updated Groundwater Well Search

September 2024



Legend

- Roche Nutley Site Boundary
- Extent of Remedial Action Plumes
- Extent of Monitored Plume Classification Exception Area
- Area Within 500 ft of Monitored Plumes
- Area Within 1/2 mile of Monitored Plumes
- Area Within 1 mile of Monitored Plumes

Well Use

- Domestic Well
- Sealed or Inactive Domestic Well
- Industrial Well
- Sealed or Inactive Industrial Well
- Irrigation Well
- Sealed or Inactive Irrigation Well
- Public Non-Community Well
- Non-Public Well
- Sealed or Inactive Non-Public Well
- Public Community Well
- Well with Water Allocation Permit

2600003962 Well Designation

Non-Community Wellhead Protection Areas

- Tier 1: 2-Year
- Tier 2: 5-Year
- Tier 3: 12-Year

Notes:

1) The Remedial Action Plumes include all areas of groundwater with concentrations above the NJDEP's GWQS associated with former operations at the Site (as defined by the November 8, 2021 Groundwater Remedial Action Report) during investigation of the site.

2) Monitored Plumes include all groundwater plumes that migrate onto the Site or are attributable to historical releases from breaches in the Clifton-Allwood Municipal Sewer, which was never used by Roche, as specified in the November 8, 2021 Groundwater Remedial Action Report.

3) Well designations provided are NJDEP Permit Numbers.

4) Listed well-use based on information available in NJDEP's database or information obtained by Roche during well search.

5) "Inactive" indicates well is no longer used but documentation that the well was sealed is not available.

6) Water allocation permits are required for water systems that use more than 100,000 gallons of ground water per day.

7) Public non-community water supply wells are wells that supply potable water for non-residential buildings such as factories, offices, etc.

Permit Number	Physical Address	Municipality	Distance from Groundwater Receptor Evaluation Area (ft.)	Status	Date of Last Sample	Last Sample Results
Domestic Wells within 1/2 mile of Groundwater Receptor Evaluation Area						
2600001116	265 Hillside Avenue	Nutley	0	Inactive	NA	NA
2600001347	957 Route 3	Clifton City	98	Inactive	NA	NA
2600002395	260 Sylvan Road	Bloomfield Twp	2228	Active	NA	NA
2600003070	4 Hawthorne Avenue	Nutley	30	Active	9/19/2013	all results <GWQS & DWQS
2600003145	27 Reigate Road	Bloomfield Twp	1829	Unknown	NA	NA
2600003234	488 Prospect Street	Nutley	1311	Active	NA	NA
2600003265	160 Hillside Avenue	Nutley Twp	725	Active	NA	NA
2600003404	478 Passaic Avenue	Nutley	1877	Active	NA	NA
2600003662	60 Princeton Place	Clifton City	197	Sealed	NA	NA
2600003731	19 Calico Lane	Nutley	2281	Active	NA	NA
2600003849	46 Cottage Lane	Clifton City	1591	Active	NA	NA
2600003962	268 High Street	Nutley	837	Unknown	NA	NA
2600005212	30 Alexander Avenue	Nutley	2081	Active	3/15/2012	VOCs < GWQS & DWS
Industrial Wells within 1 mile of Groundwater Receptor Evaluation Area						
2600001814	750 Bloomfield Avenue	Clifton City	4205	Active	NA	NA
2600000168	303 Hillside Avenue	Nutley	248	Inactive	NA	NA
2600000639	531 Franklin Avenue	Nutley Twp	510	Active	NA	NA
2600000667	505 Allwood Avenue	Clifton City	1422	Sealed	NA	NA
2600000798	531 Franklin Avenue	Nutley	579	Active	NA	NA
2600001558	1053 Bloomfield Avenue	Clifton City	928	Sealed	NA	NA
2600001730	222 Sylvan Road	Bloomfield Twp	2601	Active	NA	NA
2300002407	750 Bloomfield Avenue	Clifton City	4337	Active	NA	NA
2600001834	Washington Avenue	Nutley	3841	Active	NA	NA
2600001835	Washington Avenue	Nutley	3841	Active	NA	NA
2600001905	Washington Avenue	Nutley	3841	Active	NA	NA
2600002567	Bloomfield Avenue	Clifton City	1941	Active	NA	NA
2600002767	180 Kingsland Road	Clifton City	3085	Active	NA	NA
2600003144	267 Centre Street	Nutley	4894	Active	NA	NA
2600003347	10 Kingsland Street	Clifton City	2908	Sealed	NA	NA
2600003449	475 Passaic Avenue	Nutley	2058	Active	NA	NA
2600003450	475 Passaic Avenue	Nutley	2058	Active	NA	NA
2600003455	311 Kingsland Street	Nutley	0	Inactive	NA	NA
2600003555	NA	Nutley	3841	Active	NA	NA
2600003727	Cherry Street	Clifton City	4867	Active	NA	NA
2600004492	955 Bloomfield Ave	Clifton City	1618	Active	NA	NA
2600004506	NA	Nutley	3841	Active	NA	NA
2600004507	NA	Clifton City	3795	Active	NA	NA
2600005035	25 Styertown Road	Clifton City	2080	Active	NA	NA
2600017776	299 Route 3	Clifton City	4903	Active	NA	NA
4600000155	340 Kingsland Street	Nutley	0	Sealed	NA	NA
4600000156	340 Kingsland Street	Clifton City	0	Sealed	NA	NA
4600000157	340 Kingsland Street	Clifton City	0	Sealed	NA	NA
4600000158	340 Kingsland Street	Clifton City	0	Sealed	NA	NA
Irrigation Wells within 1 mile of Groundwater Receptor Evaluation Area						
2600003099	225 Hillside Avenue	Nutley	51	Inactive	NA	NA
2600003168	Passaic Avenue	Nutley	4772	Active	NA	NA
2600003547	19 Stanchak Court	Clifton City	1524	Active	NA	NA
2600003594	64 Brookfield Avenue	Nutley	1657	Active	NA	NA
2600003668	149 Chestnut Street / Nutley TWP Well	Nutley	2874	Active	NA	NA
2600003704	199 Highfield Lane	Nutley	2651	Active	NA	NA
2600003908	26 North Road	Nutley	3222	Active	NA	NA
2600003970	40 Hepburn Road	Clifton City	5015	Active	NA	NA
2600004000	414 E. Passaic Ave	Bloomfield Twp	5093	Active	NA	NA
2600004825	Route 3 and Hepburn Road / Upper Montclair Country Club	Clifton City	4246	Active	NA	NA
2600004983	46 Day Street	Bloomfield Twp	4084	Active	NA	NA
2600057920	210 Rutgers Place	Nutley	2775	Active	NA	NA
2600066229	211 Lakeside Drive	Nutley Twp	1305	Active	NA	NA
E201207801	255 Main Ave	Clifton City	3518	Active	NA	NA
2600001199	177 Hepburn Road / Upper Montclair Country Club	Clifton City	5007	Inactive	NA	NA
2600016476	826 Allwood Road	Clifton City	5116	Active	NA	NA
2600028962	177 Hepburn Road / Upper Montclair Country Club	Bloomfield Twp	5125	Active	NA	NA
Public Non-Community Wells within 1/2 mile of Groundwater Receptor Evaluation Area						
2600000268	1055 Bloomfield Avenue	Clifton City	991	Active	NA	NA
2600017201	460 Franklin Avenue	Nutley	1134	Unknown	NA	NA

0 2,000 4,000 Feet

PROJECT:
FORMER HOFFMAN-LA ROCHE
340 KINGSLAND STREET
NUTLEY, NEW JERSEY

TITLE:
2024 WELL SEARCH RESULTS

DRAWN BY:	L. BOCHKIS	PROJ. NO.:	198233
CHECKED BY:	J. LIGHT		
APPROVED BY:	S. TARANTO		**ATTACHMENT 4 FIGURE 1**
DATE:	SEPTEMBER 2024		

TRC
41 Spring Street, Suite 102
New Providence, NJ 07974
Phone: 908.988.1700
www.trcsolutions.com

FILE NO.: Well Search_within 2 miles of site_072324.mxd

Plot Date: 9/26/2024, 08:21:12 AM by LBOCHKIS - LAYOUT: ANSI D (22"x 34")
Path: M:\ArcGIS Files\105009\Figures\Well Search_within 2 miles of site_072324.mxd

ATTACHMENT 5

Roche Groundwater Biennial Certification

Groundwater Sampling Sheets

2019 – 2024

Attachment 5

Groundwater Sampling Sheets – 4Q 2019

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 66RI-MW4
4. Well Permit Number: E201304931
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 15.4
10. Screened interval/open hole (fbgs) 8.4 - 15.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/16/19 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: NM
16. Date and Time of Retrieval Date: 12/31/19 Time: 10:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 4.6/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 4.6/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 66RI-MW4
4. Well Permit Number: E201304931
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 15.4
10. Screened interval/open hole (fbgs) 8.4 - 15.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/16/19 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: NM
16. Date and Time of Retrieval Date: 12/31/19 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 4.6/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 4.6/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 187RI-MW2
4. Well Permit Number: E201305798
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 2 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/06/19 Time: 15:04
15. Depth to Ground Water Depth to ground water at time of deployment: 4.95
16. Date and Time of Retrieval Date: 12/27/19 Time: 08:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.45			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 13.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 15:25
15. Depth to Ground Water Depth to ground water at time of deployment: 59.21
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
133.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 15:27
15. Depth to Ground Water Depth to ground water at time of deployment: 59.21
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
133.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 15:28
15. Depth to Ground Water Depth to ground water at time of deployment: 61.03
16. Date and Time of Retrieval Date: 11/23/19 Time: 12:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 62.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
277.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 15:24
15. Depth to Ground Water Depth to ground water at time of deployment: 61.03
16. Date and Time of Retrieval Date: 11/23/19 Time: 12:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 62.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
277.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3B
4. Well Permit Number: E201218158
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 122
10. Screened interval/open hole (fbgs) 112 - 122
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 47.81
16. Date and Time of Retrieval Date: 11/22/19 Time: 13:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
114.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3B
4. Well Permit Number: E201218158
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 122
10. Screened interval/open hole (fbgs) 112 - 122
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 13:24
15. Depth to Ground Water Depth to ground water at time of deployment: 47.81
16. Date and Time of Retrieval Date: 11/22/19 Time: 13:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
114.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 13:26
15. Depth to Ground Water Depth to ground water at time of deployment: 81.11
16. Date and Time of Retrieval Date: 11/22/19 Time: 12:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 81.44
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 13:29
15. Depth to Ground Water Depth to ground water at time of deployment: 81.11
16. Date and Time of Retrieval Date: 11/22/19 Time: 12:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 81.44
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4C
4. Well Permit Number: E201306325
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 117 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 11:39
15. Depth to Ground Water Depth to ground water at time of deployment: 41.48
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.81
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4C
4. Well Permit Number: E201306325
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 117 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 11:38
15. Depth to Ground Water Depth to ground water at time of deployment: 41.48
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.81
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4D
4. Well Permit Number: E201306324
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 11:43
15. Depth to Ground Water Depth to ground water at time of deployment: 25.16
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4D
4. Well Permit Number: E201306324
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 11:42
15. Depth to Ground Water Depth to ground water at time of deployment: 25.16
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6B
4. Well Permit Number: E201218159
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 114.6
10. Screened interval/open hole (fbgs) 104.6 - 114.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 12:49
15. Depth to Ground Water Depth to ground water at time of deployment: 20.81
16. Date and Time of Retrieval Date: 12/05/19 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.35
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 18.4/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6B
4. Well Permit Number: E201218159
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55

9. Total Well Depth (fbgs) 114.6
10. Screened interval/open hole (fbgs) 104.6 - 114.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/08/19 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 20.81
16. Date and Time of Retrieval Date: 12/05/19 Time: 10:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.35
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 3.9 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 18.4/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 09:33
15. Depth to Ground Water Depth to ground water at time of deployment: 18.51
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:33
15. Depth to Ground Water Depth to ground water at time of deployment: 18.51
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 09:31
15. Depth to Ground Water Depth to ground water at time of deployment: 20.38
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.94
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 09:31
15. Depth to Ground Water Depth to ground water at time of deployment: 20.38
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.94
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 24.8
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.16
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
342.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 24.8
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.16
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
342.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:32
15. Depth to Ground Water Depth to ground water at time of deployment: 22.72
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.9
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:32
15. Depth to Ground Water Depth to ground water at time of deployment: 22.72
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.9
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 09:18
15. Depth to Ground Water Depth to ground water at time of deployment: 17.97
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.01
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 09:14
15. Depth to Ground Water Depth to ground water at time of deployment: 17.97
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.01
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 09:14
15. Depth to Ground Water Depth to ground water at time of deployment: 22.81
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
189.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 09:16
15. Depth to Ground Water Depth to ground water at time of deployment: 22.81
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
189.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-9B
4. Well Permit Number: E201217459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 132 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/25/19 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 24.85
16. Date and Time of Retrieval Date: 12/13/19 Time: 13:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2019-11-25
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
134.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-9B
4. Well Permit Number: E201217459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 132 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/25/19 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 24.85
16. Date and Time of Retrieval Date: 12/13/19 Time: 12:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2019-11-25
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
134.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11B
4. Well Permit Number: E201300242
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 08:23
15. Depth to Ground Water Depth to ground water at time of deployment: 7.92
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.67
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11B
4. Well Permit Number: E201300242
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 08:24
15. Depth to Ground Water Depth to ground water at time of deployment: 7.92
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.67
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11D
4. Well Permit Number: E201300243
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/07/19 Time: 08:29
15. Depth to Ground Water Depth to ground water at time of deployment: 8.72
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11D
4. Well Permit Number: E201300243
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/07/19 Time: 08:27
15. Depth to Ground Water Depth to ground water at time of deployment: 8.72
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12A
4. Well Permit Number: E201300227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 134
10. Screened interval/open hole (fbgs) 124 - 134
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:37
15. Depth to Ground Water Depth to ground water at time of deployment: 16.87
16. Date and Time of Retrieval Date: 12/04/19 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.15
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
131.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12A
4. Well Permit Number: E201300227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 134
10. Screened interval/open hole (fbgs) 124 - 134
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:38
15. Depth to Ground Water Depth to ground water at time of deployment: 16.87
16. Date and Time of Retrieval Date: 12/04/19 Time: 14:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.15
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
131.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12B
4. Well Permit Number: E201300228
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 181 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:28
15. Depth to Ground Water Depth to ground water at time of deployment: 23.97
16. Date and Time of Retrieval Date: 12/04/19 Time: 13:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.53
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
183.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/23/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12B
4. Well Permit Number: E201300228
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 181 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:25
15. Depth to Ground Water Depth to ground water at time of deployment: 23.85
16. Date and Time of Retrieval Date: 12/04/19 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.53
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
183.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/23/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12CR
4. Well Permit Number: E201412451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 520.1
10. Screened interval/open hole (fbgs) 495.1 - 520.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:26
15. Depth to Ground Water Depth to ground water at time of deployment: 23.97
16. Date and Time of Retrieval Date: 12/04/19 Time: 13:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.71
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
517.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: -0.6 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12CR
4. Well Permit Number: E201412451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 520.1
10. Screened interval/open hole (fbgs) 495.1 - 520.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 23.97
16. Date and Time of Retrieval Date: 12/04/19 Time: 13:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.71
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
517.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13B
4. Well Permit Number: E201219023
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 170 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 12:39
15. Depth to Ground Water Depth to ground water at time of deployment: 12.66
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.93
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13B
4. Well Permit Number: E201219023
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 170 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 12:42
15. Depth to Ground Water Depth to ground water at time of deployment: 12.66
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.93
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13B
4. Well Permit Number: E201219023
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 170 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 12/10/19 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 12.6
16. Date and Time of Retrieval Date: 12/27/19 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.32
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 10.4/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 6.9/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 12:44
15. Depth to Ground Water Depth to ground water at time of deployment: 12.3
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.56
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
242.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 12:46
15. Depth to Ground Water Depth to ground water at time of deployment: 12.3
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.56
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
242.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14A
4. Well Permit Number: E201300229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 118.8
10. Screened interval/open hole (fbgs) 172.1 - 182.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 16.37
16. Date and Time of Retrieval Date: 12/04/19 Time: 09:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.5
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
177.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.2 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14A
4. Well Permit Number: E201300229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 118.8
10. Screened interval/open hole (fbgs) 172.1 - 182.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/10/19 Time: 12:23
15. Depth to Ground Water Depth to ground water at time of deployment: 16.3
16. Date and Time of Retrieval Date: 12/31/19 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.96
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
181.9			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 3.5/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14A
4. Well Permit Number: E201300229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 118.8
10. Screened interval/open hole (fbgs) 172.1 - 182.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 16.37
16. Date and Time of Retrieval Date: 12/04/19 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.5
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
177.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.2 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14B
4. Well Permit Number: E201300230
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 239.6
10. Screened interval/open hole (fbgs) 229.6 - 239.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 22.97
16. Date and Time of Retrieval Date: 11/21/19 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.55
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
234.8			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14B
4. Well Permit Number: E201300230
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 239.6
10. Screened interval/open hole (fbgs) 229.6 - 239.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 22.97
16. Date and Time of Retrieval Date: 11/21/19 Time: 09:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.55
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
234.8			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14B
4. Well Permit Number: E201300230
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 239.6
10. Screened interval/open hole (fbgs) 229.6 - 239.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/10/19 Time: 12:32
15. Depth to Ground Water Depth to ground water at time of deployment: 20.79
16. Date and Time of Retrieval Date: 12/31/19 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.25
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
234.8			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 3.5/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14C
4. Well Permit Number: E201301074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28
9. Total Well Depth (fbgs) 387
10. Screened interval/open hole (fbgs) 372 - 387
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 08:53
15. Depth to Ground Water Depth to ground water at time of deployment: 22.69
16. Date and Time of Retrieval Date: 11/21/19 Time: 09:29
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.92
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
381.9			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14C
4. Well Permit Number: E201301074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28
9. Total Well Depth (fbgs) 387
10. Screened interval/open hole (fbgs) 372 - 387
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 08:53
15. Depth to Ground Water Depth to ground water at time of deployment: 22.69
16. Date and Time of Retrieval Date: 11/21/19 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.92
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
381.9			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14C
4. Well Permit Number: E201301074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28
9. Total Well Depth (fbgs) 387
10. Screened interval/open hole (fbgs) 372 - 387
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/10/19 Time: 12:58
15. Depth to Ground Water Depth to ground water at time of deployment: 20.24
16. Date and Time of Retrieval Date: 12/31/19 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.55
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
381.9			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 3.5/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16C
4. Well Permit Number: E201301078
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 444.4
10. Screened interval/open hole (fbgs) 419.4 - 444.4
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/10/19 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 37.26
16. Date and Time of Retrieval Date: 12/27/19 Time: 14:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.74
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
435.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 10.4/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 10.4/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16C
4. Well Permit Number: E201301078
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 444.4
10. Screened interval/open hole (fbgs) 419.4 - 444.4
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 12/10/19 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 37.26
16. Date and Time of Retrieval Date: 12/27/19 Time: 14:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.74
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
435.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 10.4/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 10.4/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 16.51
16. Date and Time of Retrieval Date: 11/22/19 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
117.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:42
15. Depth to Ground Water Depth to ground water at time of deployment: 16.51
16. Date and Time of Retrieval Date: 11/22/19 Time: 11:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
117.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-24
4. Well Permit Number: E201314457
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 175
10. Screened interval/open hole (fbgs) 150 - 175
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 70.67
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 71.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-24
4. Well Permit Number: E201314457
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 175
10. Screened interval/open hole (fbgs) 150 - 175
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 09:13
15. Depth to Ground Water Depth to ground water at time of deployment: 70.67
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 71.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-25B
4. Well Permit Number: E201402661
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 225
10. Screened interval/open hole (fbgs) 200 - 225
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 15:17
15. Depth to Ground Water Depth to ground water at time of deployment: 6.29
16. Date and Time of Retrieval Date: 11/22/19 Time: 09:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.73
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
222.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/20/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-25B
4. Well Permit Number: E201402661
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 225
10. Screened interval/open hole (fbgs) 200 - 225
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 15:08
15. Depth to Ground Water Depth to ground water at time of deployment: 6.29
16. Date and Time of Retrieval Date: 11/22/19 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.73
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
222.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/20/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-25C
4. Well Permit Number: E201402660
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 427
10. Screened interval/open hole (fbgs) 402 - 427
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 15:11
15. Depth to Ground Water Depth to ground water at time of deployment: 7.55
16. Date and Time of Retrieval Date: 11/22/19 Time: 08:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.78
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
404.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 9.2/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-25C
4. Well Permit Number: E201402660
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39

9. Total Well Depth (fbgs) 427
10. Screened interval/open hole (fbgs) 402 - 427
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 15:22
15. Depth to Ground Water Depth to ground water at time of deployment: 7.55
16. Date and Time of Retrieval Date: 11/22/19 Time: 08:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.78
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
404.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 9.2/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-25D
4. Well Permit Number: E201318583
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 565
10. Screened interval/open hole (fbgs) 545 - 565
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 29.55
16. Date and Time of Retrieval Date: 11/22/19 Time: 10:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.46
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
557.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-25D
4. Well Permit Number: E201318583
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 565
10. Screened interval/open hole (fbgs) 545 - 565
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 15:26
15. Depth to Ground Water Depth to ground water at time of deployment: 29.55
16. Date and Time of Retrieval Date: 11/22/19 Time: 10:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.46
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
557.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-25-D1
4. Well Permit Number: E201413490
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 101
10. Screened interval/open hole (fbgs) 91 - 101
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 15:21
15. Depth to Ground Water Depth to ground water at time of deployment: 26.3
16. Date and Time of Retrieval Date: 11/22/19 Time: 09:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 26.7
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-25-D1
4. Well Permit Number: E201413490
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 101
10. Screened interval/open hole (fbgs) 91 - 101
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 15:12
15. Depth to Ground Water Depth to ground water at time of deployment: 26.3
16. Date and Time of Retrieval Date: 11/22/19 Time: 09:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 26.7
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27B
4. Well Permit Number: E201315239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 299.8
10. Screened interval/open hole (fbgs) 274.8 - 299.8
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 23.56
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27B
4. Well Permit Number: E201315239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 299.8
10. Screened interval/open hole (fbgs) 274.8 - 299.8
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 23.56
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 3.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27C
4. Well Permit Number: E201402655
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 425
10. Screened interval/open hole (fbgs) 400 - 425
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 11:50
15. Depth to Ground Water Depth to ground water at time of deployment: 24.75
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.06
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
422.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27C
4. Well Permit Number: E201402655
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 425
10. Screened interval/open hole (fbgs) 400 - 425
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 11:50
15. Depth to Ground Water Depth to ground water at time of deployment: 24.75
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.06
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
422.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 15:40
15. Depth to Ground Water Depth to ground water at time of deployment: 51.48
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.53
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
181.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 15:39
15. Depth to Ground Water Depth to ground water at time of deployment: 51.48
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.53
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
181.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 15:42
15. Depth to Ground Water Depth to ground water at time of deployment: 51.57
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.45
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
308.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 15:38
15. Depth to Ground Water Depth to ground water at time of deployment: 51.57
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.45
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
308.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 08:41
15. Depth to Ground Water Depth to ground water at time of deployment: 39.38
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.22
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 08:44
15. Depth to Ground Water Depth to ground water at time of deployment: 39.38
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.22
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 08:42
15. Depth to Ground Water Depth to ground water at time of deployment: 40.67
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.17
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
439.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 08:43
15. Depth to Ground Water Depth to ground water at time of deployment: 40.67
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.17
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
439.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 12:14
15. Depth to Ground Water Depth to ground water at time of deployment: 20.88
16. Date and Time of Retrieval Date: 12/05/19 Time: 08:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.23
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
257.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 12:12
15. Depth to Ground Water Depth to ground water at time of deployment: 20.88
16. Date and Time of Retrieval Date: 12/05/19 Time: 08:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.23
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
257.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31A
4. Well Permit Number: E201402141
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 181.5
10. Screened interval/open hole (fbgs) 171.5 - 181.5
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 09:44
15. Depth to Ground Water Depth to ground water at time of deployment: 31.29
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.87
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
177.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31A
4. Well Permit Number: E201402141
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 181.5
10. Screened interval/open hole (fbgs) 171.5 - 181.5
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 09:44
15. Depth to Ground Water Depth to ground water at time of deployment: 31.29
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.87
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
177.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31B
4. Well Permit Number: E201402152
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 320
10. Screened interval/open hole (fbgs) 310 - 320
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 09:36
15. Depth to Ground Water Depth to ground water at time of deployment: 202.95
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 202.61
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
317.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31B
4. Well Permit Number: E201402152
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 320
10. Screened interval/open hole (fbgs) 310 - 320
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 09:32
15. Depth to Ground Water Depth to ground water at time of deployment: 202.95
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 202.61
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
317.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 09:28
15. Depth to Ground Water Depth to ground water at time of deployment: 312.01
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 310.96
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
437.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 09:34
15. Depth to Ground Water Depth to ground water at time of deployment: 312.01
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 310.96
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
437.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32B
4. Well Permit Number: E201315585
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 301.1
10. Screened interval/open hole (fbgs) 276.1 - 301.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 10:11
15. Depth to Ground Water Depth to ground water at time of deployment: 22.37
16. Date and Time of Retrieval Date: 12/04/19 Time: 11:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
298.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32B
4. Well Permit Number: E201315585
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 301.1
10. Screened interval/open hole (fbgs) 276.1 - 301.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 10:13
15. Depth to Ground Water Depth to ground water at time of deployment: 22.37
16. Date and Time of Retrieval Date: 12/04/19 Time: 11:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
298.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33B
4. Well Permit Number: E201318598
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 280.27
10. Screened interval/open hole (fbgs) 270.27 - 280.27
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 17.52
16. Date and Time of Retrieval Date: 12/04/19 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
276.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 1.7 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33B
4. Well Permit Number: E201318598
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 280.27
10. Screened interval/open hole (fbgs) 270.27 - 280.27
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 17.52
16. Date and Time of Retrieval Date: 12/04/19 Time: 09:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
276.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.2 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33C
4. Well Permit Number: E201402654
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 426.16
10. Screened interval/open hole (fbgs) 401.16 - 426.16
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 35.73
16. Date and Time of Retrieval Date: 12/04/19 Time: 09:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.98
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
417.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 1.7 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33C
4. Well Permit Number: E201402654
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 426.16
10. Screened interval/open hole (fbgs) 401.16 - 426.16
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 35.73
16. Date and Time of Retrieval Date: 12/04/19 Time: 09:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.98
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
417.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 1.7 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-34B
4. Well Permit Number: E201315235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 43.95
16. Date and Time of Retrieval Date: 12/13/19 Time: 07:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 42.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 0.0 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-34B
4. Well Permit Number: E201315235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 10:53
15. Depth to Ground Water Depth to ground water at time of deployment: 43.95
16. Date and Time of Retrieval Date: 12/13/19 Time: 07:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 42.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 0.0 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 08:03
15. Depth to Ground Water Depth to ground water at time of deployment: 56.11
16. Date and Time of Retrieval Date: 11/25/19 Time: 09:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 4.6/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 08:02
15. Depth to Ground Water Depth to ground water at time of deployment: 56.11
16. Date and Time of Retrieval Date: 11/25/19 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 4.6/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 52.28
16. Date and Time of Retrieval Date: 11/22/19 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.97
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
178.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 14:07
15. Depth to Ground Water Depth to ground water at time of deployment: 52.28
16. Date and Time of Retrieval Date: 11/22/19 Time: 13:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.97
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
178.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 13:57
15. Depth to Ground Water Depth to ground water at time of deployment: 82.59
16. Date and Time of Retrieval Date: 11/22/19 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 83.05
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
249.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 13:58
15. Depth to Ground Water Depth to ground water at time of deployment: 82.59
16. Date and Time of Retrieval Date: 11/22/19 Time: 13:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 83.05
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
249.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38C
4. Well Permit Number: E201407795
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.18
9. Total Well Depth (fbgs) 550
10. Screened interval/open hole (fbgs) 525 - 550
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 14:47
15. Depth to Ground Water Depth to ground water at time of deployment: 76.34
16. Date and Time of Retrieval Date: 11/23/19 Time: 10:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 76.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
538.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38C
4. Well Permit Number: E201407795
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.18
9. Total Well Depth (fbgs) 550
10. Screened interval/open hole (fbgs) 525 - 550
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 14:46
15. Depth to Ground Water Depth to ground water at time of deployment: 76.34
16. Date and Time of Retrieval Date: 11/23/19 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 76.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
532.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:22
15. Depth to Ground Water Depth to ground water at time of deployment: 59.48
16. Date and Time of Retrieval Date: 11/21/19 Time: 11:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 59.99
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
293.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:12
15. Depth to Ground Water Depth to ground water at time of deployment: 59.48
16. Date and Time of Retrieval Date: 11/21/19 Time: 11:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 59.99
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
293.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:11
15. Depth to Ground Water Depth to ground water at time of deployment: 50.25
16. Date and Time of Retrieval Date: 11/21/19 Time: 10:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.82
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
493.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:19
15. Depth to Ground Water Depth to ground water at time of deployment: 50.25
16. Date and Time of Retrieval Date: 11/21/19 Time: 10:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.82
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
493.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 13:13
15. Depth to Ground Water Depth to ground water at time of deployment: 6.91
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.58
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 13:16
15. Depth to Ground Water Depth to ground water at time of deployment: 6.91
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.58
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 13:13
15. Depth to Ground Water Depth to ground water at time of deployment: 9.55
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.85
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
247.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 13:17
15. Depth to Ground Water Depth to ground water at time of deployment: 9.55
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.85
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
247.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 13:14
15. Depth to Ground Water Depth to ground water at time of deployment: 1.3
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
397.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27

9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 13:18
15. Depth to Ground Water Depth to ground water at time of deployment: 1.3
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
397.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-41C
4. Well Permit Number: E201407799
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 450.1
10. Screened interval/open hole (fbgs) 425.1 - 450.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 13:05
15. Depth to Ground Water Depth to ground water at time of deployment: 21.85
16. Date and Time of Retrieval Date: 11/25/19 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.2
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-41C
4. Well Permit Number: E201407799
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 450.1
10. Screened interval/open hole (fbgs) 425.1 - 450.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 13:06
15. Depth to Ground Water Depth to ground water at time of deployment: 21.85
16. Date and Time of Retrieval Date: 11/25/19 Time: 11:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.2
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-42A
4. Well Permit Number: E201406724
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 121.9
10. Screened interval/open hole (fbgs) 101.9 - 121.9
11. Well Casing: Diameter: 6 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 14:03
15. Depth to Ground Water Depth to ground water at time of deployment: 6.93
16. Date and Time of Retrieval Date: 11/25/19 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.05
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
119.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 16.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-42A
4. Well Permit Number: E201406724
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 121.9
10. Screened interval/open hole (fbgs) 101.9 - 121.9
11. Well Casing: Diameter: 6 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 14:04
15. Depth to Ground Water Depth to ground water at time of deployment: 6.93
16. Date and Time of Retrieval Date: 11/25/19 Time: 11:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.05
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
119.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 16.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 12:28
15. Depth to Ground Water Depth to ground water at time of deployment: 16.97
16. Date and Time of Retrieval Date: 12/05/19 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 12.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 12:29
15. Depth to Ground Water Depth to ground water at time of deployment: 16.97
16. Date and Time of Retrieval Date: 12/05/19 Time: 10:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 12.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-47A
4. Well Permit Number: E201510850
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 15:50
15. Depth to Ground Water Depth to ground water at time of deployment: 7.7
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.23
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/15/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 5.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-47A
4. Well Permit Number: E201510850
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 16:03
15. Depth to Ground Water Depth to ground water at time of deployment: 7.7
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.23
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/15/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 5.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-50B
4. Well Permit Number: E201413975
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.22
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 180 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 07:44
15. Depth to Ground Water Depth to ground water at time of deployment: 50.9
16. Date and Time of Retrieval Date: 11/25/19 Time: 09:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
187.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-50B
4. Well Permit Number: E201413975
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.22
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 180 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 07:40
15. Depth to Ground Water Depth to ground water at time of deployment: 50.9
16. Date and Time of Retrieval Date: 11/25/19 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
187.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 4.6/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-50C
4. Well Permit Number: E201413976
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 305
10. Screened interval/open hole (fbgs) 280 - 305
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 50.49
16. Date and Time of Retrieval Date: 12/05/19 Time: 07:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.99
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/06/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-50C
4. Well Permit Number: E201413976
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 305
10. Screened interval/open hole (fbgs) 280 - 305
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 07:43
15. Depth to Ground Water Depth to ground water at time of deployment: 51.49
16. Date and Time of Retrieval Date: 12/05/19 Time: 07:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.99
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/06/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-52A
4. Well Permit Number: E201413312
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 115 - 130
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/22/19 Time: 08:30
15. Depth to Ground Water Depth to ground water at time of deployment: 9.79
16. Date and Time of Retrieval Date: 12/10/19 Time: 10:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 9.2/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-52A
4. Well Permit Number: E201413312
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 115 - 130
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/22/19 Time: 08:30
15. Depth to Ground Water Depth to ground water at time of deployment: 9.79
16. Date and Time of Retrieval Date: 12/10/19 Time: 10:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 9.2/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-57A
4. Well Permit Number: E201412869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 241
10. Screened interval/open hole (fbgs) 221 - 241
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:59
15. Depth to Ground Water Depth to ground water at time of deployment: 52.38
16. Date and Time of Retrieval Date: 11/25/19 Time: 10:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
237.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-57A
4. Well Permit Number: E201412869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 241
10. Screened interval/open hole (fbgs) 221 - 241
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:58
15. Depth to Ground Water Depth to ground water at time of deployment: 52.38
16. Date and Time of Retrieval Date: 11/25/19 Time: 10:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
237.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 30.45
16. Date and Time of Retrieval Date: 11/23/19 Time: 12:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.39
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 15.0/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 13:13
15. Depth to Ground Water Depth to ground water at time of deployment: 30.45
16. Date and Time of Retrieval Date: 11/23/19 Time: 12:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.39
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 15.0/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-64A
4. Well Permit Number: E201500412
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 235 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:01
15. Depth to Ground Water Depth to ground water at time of deployment: 50.08
16. Date and Time of Retrieval Date: 12/05/19 Time: 12:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.9
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
237.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 16.1/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-64A
4. Well Permit Number: E201500412
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 235 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:01
15. Depth to Ground Water Depth to ground water at time of deployment: 50.08
16. Date and Time of Retrieval Date: 12/05/19 Time: 12:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.9
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
237.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 16.1/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67A
4. Well Permit Number: E201509855
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 221.49
10. Screened interval/open hole (fbgs) 211.49 - 221.49
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 10:31
15. Depth to Ground Water Depth to ground water at time of deployment: 22.78
16. Date and Time of Retrieval Date: 12/04/19 Time: 14:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
216.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 6.9/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67A
4. Well Permit Number: E201509855
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 221.49
10. Screened interval/open hole (fbgs) 211.49 - 221.49
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 10:29
15. Depth to Ground Water Depth to ground water at time of deployment: 22.78
16. Date and Time of Retrieval Date: 12/04/19 Time: 14:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
216.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 6.9/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67A
4. Well Permit Number: E201509855
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 221.49
10. Screened interval/open hole (fbgs) 211.49 - 221.49
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/06/19 Time: 13:17
15. Depth to Ground Water Depth to ground water at time of deployment: 22.85
16. Date and Time of Retrieval Date: 12/30/19 Time: 13:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.24
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
216.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 13.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 18.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67B
4. Well Permit Number: E201509857
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 274.9
10. Screened interval/open hole (fbgs) 264.9 - 274.9
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 10:33
15. Depth to Ground Water Depth to ground water at time of deployment: 22.56
16. Date and Time of Retrieval Date: 12/04/19 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.54
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
270.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 6.9/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67B
4. Well Permit Number: E201509857
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 274.9
10. Screened interval/open hole (fbgs) 264.9 - 274.9
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 10:32
15. Depth to Ground Water Depth to ground water at time of deployment: 22.56
16. Date and Time of Retrieval Date: 12/04/19 Time: 14:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.54
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
270.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 6.9/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:04
15. Depth to Ground Water Depth to ground water at time of deployment: 20.86
16. Date and Time of Retrieval Date: 12/05/19 Time: 09:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.97
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
203.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:01
15. Depth to Ground Water Depth to ground water at time of deployment: 20.86
16. Date and Time of Retrieval Date: 12/05/19 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.97
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
203.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68B
4. Well Permit Number: E201509858
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 287
10. Screened interval/open hole (fbgs) 277 - 287
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:03
15. Depth to Ground Water Depth to ground water at time of deployment: 20.95
16. Date and Time of Retrieval Date: 12/05/19 Time: 08:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.07
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
285.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68B
4. Well Permit Number: E201509858
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 287
10. Screened interval/open hole (fbgs) 277 - 287
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:01
15. Depth to Ground Water Depth to ground water at time of deployment: 20.95
16. Date and Time of Retrieval Date: 12/05/19 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.07
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
285.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 19.6/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68B
4. Well Permit Number: E201509858
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 287
10. Screened interval/open hole (fbgs) 277 - 287
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/05/19 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.07
16. Date and Time of Retrieval Date: 12/31/19 Time: 09:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.39
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2019-12-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
285.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 08:15
15. Depth to Ground Water Depth to ground water at time of deployment: 4.78
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 5.8/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 08:13
15. Depth to Ground Water Depth to ground water at time of deployment: 4.78
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 5.8/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2
4. Well Permit Number: 2600011828
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 32.63
10. Screened interval/open hole (fbgs) 12.63 - 32.63
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 12/10/19 Time: 10:08
15. Depth to Ground Water Depth to ground water at time of deployment: 6.17
16. Date and Time of Retrieval Date: 12/31/19 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
21.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 4.6/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2B
4. Well Permit Number: E201501289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.69

9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 47 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 12/10/19 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.72
16. Date and Time of Retrieval Date: 12/30/19 Time: 09:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
53.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☒ **No**, this well is being profiled during this sampling round
   ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 9.2/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2C
4. Well Permit Number: E201501290
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 116.82
10. Screened interval/open hole (fbgs) 106.82 - 116.82
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/10/19 Time: 09:54
15. Depth to Ground Water Depth to ground water at time of deployment: 16.53
16. Date and Time of Retrieval Date: 12/30/19 Time: 13:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.77
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
110.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 18.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-15A
4. Well Permit Number: 2600051888
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.09
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 6.43
16. Date and Time of Retrieval Date: 12/05/19 Time: 10:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.45
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/26/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 18.4/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-15A
4. Well Permit Number: 2600051888
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.09
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 6.43
16. Date and Time of Retrieval Date: 12/05/19 Time: 10:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.45
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/26/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 18.4/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-22A
4. Well Permit Number: 2600051883
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 44.2
10. Screened interval/open hole (fbgs) 24.2 - 44.2
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/06/19 Time: 13:42
15. Depth to Ground Water Depth to ground water at time of deployment: 7.78
16. Date and Time of Retrieval Date: 12/04/19 Time: 12:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-22A
4. Well Permit Number: 2600051883
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 44.2
10. Screened interval/open hole (fbgs) 24.2 - 44.2
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/06/19 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 7.78
16. Date and Time of Retrieval Date: 12/04/19 Time: 00:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: -1.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-22A
4. Well Permit Number: 2600051883
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 44.2
10. Screened interval/open hole (fbgs) 24.2 - 44.2
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 12/05/19 Time: 15:01
15. Depth to Ground Water Depth to ground water at time of deployment: 8.08
16. Date and Time of Retrieval Date: 12/31/19 Time: 07:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 4.6/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-27
4. Well Permit Number: 2600051886
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 11:28
15. Depth to Ground Water Depth to ground water at time of deployment: 3.4
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
6.4			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-27
4. Well Permit Number: 2600051886
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 11:28
15. Depth to Ground Water Depth to ground water at time of deployment: 3.4
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
6.4			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-27B
4. Well Permit Number: E201409380
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 11:41
15. Depth to Ground Water Depth to ground water at time of deployment: 3.34
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-27B
4. Well Permit Number: E201409380
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 11:41
15. Depth to Ground Water Depth to ground water at time of deployment: 3.34
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-32
4. Well Permit Number: 2600053317
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 13.3
10. Screened interval/open hole (fbgs) 3.3 - 13.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 6.25
16. Date and Time of Retrieval Date: 12/04/19 Time: 10:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-32
4. Well Permit Number: 2600053317
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 13.3
10. Screened interval/open hole (fbgs) 3.3 - 13.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 6.25
16. Date and Time of Retrieval Date: 12/04/19 Time: 10:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 11:56
15. Depth to Ground Water Depth to ground water at time of deployment: 12.4
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 11:56
15. Depth to Ground Water Depth to ground water at time of deployment: 12.4
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.26
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 3.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.26
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 3.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44B
4. Well Permit Number: E201304514
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45.1
10. Screened interval/open hole (fbgs) 35.1 - 45.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/27/19 Time: 07:42
15. Depth to Ground Water Depth to ground water at time of deployment: 12.24
16. Date and Time of Retrieval Date: 12/27/19 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 11.5/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44B
4. Well Permit Number: E201304514
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45.1
10. Screened interval/open hole (fbgs) 35.1 - 45.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/27/19 Time: 07:42
15. Depth to Ground Water Depth to ground water at time of deployment: 12.24
16. Date and Time of Retrieval Date: 12/27/19 Time: 14:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 10.4/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44C
4. Well Permit Number: E201302491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 81.3
10. Screened interval/open hole (fbgs) 61.3 - 81.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 17.12
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 3.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44C
4. Well Permit Number: E201302491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 81.3
10. Screened interval/open hole (fbgs) 61.3 - 81.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 17.12
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 3.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/08/19 Time: 11:46
15. Depth to Ground Water Depth to ground water at time of deployment: 48.82
16. Date and Time of Retrieval Date: 11/23/19 Time: 10:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.68
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 9.2/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/08/19 Time: 11:46
15. Depth to Ground Water Depth to ground water at time of deployment: 48.82
16. Date and Time of Retrieval Date: 11/23/19 Time: 10:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.68
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 9.2/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-103A
4. Well Permit Number: P200804387
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.77
9. Total Well Depth (fbgs) 16
10. Screened interval/open hole (fbgs) 6 - 16
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 11:12
15. Depth to Ground Water Depth to ground water at time of deployment: 5.76
16. Date and Time of Retrieval Date: 11/21/19 Time: 11:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-103A
4. Well Permit Number: P200804387
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.77
9. Total Well Depth (fbgs) 16
10. Screened interval/open hole (fbgs) 6 - 16
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 11:09
15. Depth to Ground Water Depth to ground water at time of deployment: 5.76
16. Date and Time of Retrieval Date: 11/21/19 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-103A
4. Well Permit Number: P200804387
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.77
9. Total Well Depth (fbgs) 16
10. Screened interval/open hole (fbgs) 6 - 16
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/05/19 Time: 13:41
15. Depth to Ground Water Depth to ground water at time of deployment: 5.68
16. Date and Time of Retrieval Date: 12/27/19 Time: 10:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.87
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 9.2/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104A
4. Well Permit Number: P200804388
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.74
9. Total Well Depth (fbgs) 13.5
10. Screened interval/open hole (fbgs) 3.5 - 13.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 10:53
15. Depth to Ground Water Depth to ground water at time of deployment: 4.31
16. Date and Time of Retrieval Date: 11/21/19 Time: 12:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.67
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104A
4. Well Permit Number: P200804388
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.74
9. Total Well Depth (fbgs) 13.5
10. Screened interval/open hole (fbgs) 3.5 - 13.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 10:49
15. Depth to Ground Water Depth to ground water at time of deployment: 4.31
16. Date and Time of Retrieval Date: 11/21/19 Time: 12:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.67
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104A
4. Well Permit Number: P200804388
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.74
9. Total Well Depth (fbgs) 13.5
10. Screened interval/open hole (fbgs) 3.5 - 13.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/05/19 Time: 13:34
15. Depth to Ground Water Depth to ground water at time of deployment: 4.24
16. Date and Time of Retrieval Date: 12/27/19 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 9.2/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/07/19 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 3.41
16. Date and Time of Retrieval Date: 11/21/19 Time: 12:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/07/19 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 3.41
16. Date and Time of Retrieval Date: 11/21/19 Time: 12:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104C
4. Well Permit Number: E201306606
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 10:51
15. Depth to Ground Water Depth to ground water at time of deployment: 2.94
16. Date and Time of Retrieval Date: 11/21/19 Time: 12:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104C
4. Well Permit Number: E201306606
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/07/19 Time: 10:48
15. Depth to Ground Water Depth to ground water at time of deployment: 2.94
16. Date and Time of Retrieval Date: 11/21/19 Time: 12:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104C
4. Well Permit Number: E201306606
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/05/19 Time: 13:31
15. Depth to Ground Water Depth to ground water at time of deployment: 2.87
16. Date and Time of Retrieval Date: 12/27/19 Time: 10:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 9.2/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 15:22
15. Depth to Ground Water Depth to ground water at time of deployment: 2.31
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 15:22
15. Depth to Ground Water Depth to ground water at time of deployment: 2.31
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 11/04/19 Time: 15:27
15. Depth to Ground Water Depth to ground water at time of deployment: 1.98
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.09
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 11/04/19 Time: 15:27
15. Depth to Ground Water Depth to ground water at time of deployment: 1.98
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.09
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 10:36
15. Depth to Ground Water Depth to ground water at time of deployment: 4.43
16. Date and Time of Retrieval Date: 11/21/19 Time: 12:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 4.43
16. Date and Time of Retrieval Date: 11/21/19 Time: 12:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 11/07/19 Time: 10:39
15. Depth to Ground Water Depth to ground water at time of deployment: 0.35
16. Date and Time of Retrieval Date: 11/21/19 Time: 12:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.16
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.95			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 11/07/19 Time: 10:37
15. Depth to Ground Water Depth to ground water at time of deployment: 0.35
16. Date and Time of Retrieval Date: 11/21/19 Time: 12:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.16
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.95			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-108A
4. Well Permit Number: P200804392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/04/19 Time: 15:02
15. Depth to Ground Water Depth to ground water at time of deployment: 4.24
16. Date and Time of Retrieval Date: 12/05/19 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 16.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-108A
4. Well Permit Number: P200804392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/04/19 Time: 15:02
15. Depth to Ground Water Depth to ground water at time of deployment: 4.24
16. Date and Time of Retrieval Date: 12/05/19 Time: 13:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 07:34
15. Depth to Ground Water Depth to ground water at time of deployment: 45.3
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.15			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 07:34
15. Depth to Ground Water Depth to ground water at time of deployment: 45.3
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.15			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 07:30
15. Depth to Ground Water Depth to ground water at time of deployment: 45.84
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 07:30
15. Depth to Ground Water Depth to ground water at time of deployment: 45.84
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 15:06
15. Depth to Ground Water Depth to ground water at time of deployment: 9.79
16. Date and Time of Retrieval Date: 11/25/19 Time: 13:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 18.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 15:06
15. Depth to Ground Water Depth to ground water at time of deployment: 9.79
16. Date and Time of Retrieval Date: 11/25/19 Time: 13:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:31
15. Depth to Ground Water Depth to ground water at time of deployment: 47.38
16. Date and Time of Retrieval Date: 11/23/19 Time: 10:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 11:31
15. Depth to Ground Water Depth to ground water at time of deployment: 47.38
16. Date and Time of Retrieval Date: 11/23/19 Time: 10:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-122
4. Well Permit Number: P200910153
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 08:57
15. Depth to Ground Water Depth to ground water at time of deployment: NM
16. Date and Time of Retrieval Date: 11/23/19 Time: 11:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.03			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-122
4. Well Permit Number: P200910153
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 08:57
15. Depth to Ground Water Depth to ground water at time of deployment: NM
16. Date and Time of Retrieval Date: 11/23/19 Time: 11:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.03			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 19.33
16. Date and Time of Retrieval Date: 11/22/19 Time: 10:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 19.33
16. Date and Time of Retrieval Date: 11/22/19 Time: 10:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 14:03
15. Depth to Ground Water Depth to ground water at time of deployment: 22.68
16. Date and Time of Retrieval Date: 11/22/19 Time: 10:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.22
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 14:03
15. Depth to Ground Water Depth to ground water at time of deployment: 22.68
16. Date and Time of Retrieval Date: 11/22/19 Time: 10:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.22
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 13:22
15. Depth to Ground Water Depth to ground water at time of deployment: 6.1
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 13:22
15. Depth to Ground Water Depth to ground water at time of deployment: 6.1
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 13:29
15. Depth to Ground Water Depth to ground water at time of deployment: 5.29
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 13:29
15. Depth to Ground Water Depth to ground water at time of deployment: 5.29
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126C
4. Well Permit Number: E201405729
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 13:36
15. Depth to Ground Water Depth to ground water at time of deployment: 4.81
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126C
4. Well Permit Number: E201405729
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 13:36
15. Depth to Ground Water Depth to ground water at time of deployment: 4.81
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126C
4. Well Permit Number: E201405729
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 12/06/19 Time: 14:38
15. Depth to Ground Water Depth to ground water at time of deployment: 5
16. Date and Time of Retrieval Date: 12/27/19 Time: 10:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 13.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 14:26
15. Depth to Ground Water Depth to ground water at time of deployment: 11.62
16. Date and Time of Retrieval Date: 11/22/19 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.2			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 13.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 14:26
15. Depth to Ground Water Depth to ground water at time of deployment: 11.62
16. Date and Time of Retrieval Date: 11/22/19 Time: 11:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 13.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 14:19
15. Depth to Ground Water Depth to ground water at time of deployment: 12.26
16. Date and Time of Retrieval Date: 11/22/19 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 13.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 14:19
15. Depth to Ground Water Depth to ground water at time of deployment: 12.26
16. Date and Time of Retrieval Date: 11/22/19 Time: 11:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 13.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 14:37
15. Depth to Ground Water Depth to ground water at time of deployment: 22.77
16. Date and Time of Retrieval Date: 11/22/19 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 13.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 14:37
15. Depth to Ground Water Depth to ground water at time of deployment: 22.77
16. Date and Time of Retrieval Date: 11/22/19 Time: 11:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 13.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136
4. Well Permit Number: E201113727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 19
10. Screened interval/open hole (fbgs) 9 - 19
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/05/19 Time: 09:16
15. Depth to Ground Water Depth to ground water at time of deployment: 9.2
16. Date and Time of Retrieval Date: 12/31/19 Time: 09:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136B
4. Well Permit Number: E201416041
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 12/05/19 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 10.85
16. Date and Time of Retrieval Date: 12/31/19 Time: 09:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136C
4. Well Permit Number: E201415879
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/05/19 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 12.52
16. Date and Time of Retrieval Date: 12/31/19 Time: 09:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2019-12-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 13.91
16. Date and Time of Retrieval Date: 11/22/19 Time: 07:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.13
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19.4			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 13.91
16. Date and Time of Retrieval Date: 11/22/19 Time: 07:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.13
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19.4			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 07:32
15. Depth to Ground Water Depth to ground water at time of deployment: 14.54
16. Date and Time of Retrieval Date: 11/22/19 Time: 07:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33

9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 07:32
15. Depth to Ground Water Depth to ground water at time of deployment: 14.54
16. Date and Time of Retrieval Date: 11/22/19 Time: 07:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53
9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 14.28
16. Date and Time of Retrieval Date: 11/22/19 Time: 07:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53
9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 14.28
16. Date and Time of Retrieval Date: 11/22/19 Time: 07:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-144A
4. Well Permit Number: E201204687
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 16.4
10. Screened interval/open hole (fbgs) 6.4 - 16.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.006
14. Date and Time of Deployment Date: 11/04/19 Time: 16:05
15. Depth to Ground Water Depth to ground water at time of deployment: 5.88
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-144A
4. Well Permit Number: E201204687
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 16.4
10. Screened interval/open hole (fbgs) 6.4 - 16.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.006

14. Date and Time of Deployment Date: 11/04/19 Time: 16:05
15. Depth to Ground Water Depth to ground water at time of deployment: 5.88
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-144B
4. Well Permit Number: E201204690
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 16:10
15. Depth to Ground Water Depth to ground water at time of deployment: 5.19
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-144B
4. Well Permit Number: E201204690
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 16:10
15. Depth to Ground Water Depth to ground water at time of deployment: 5.19
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146A
4. Well Permit Number: E201204689
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.51
9. Total Well Depth (fbgs) 27.1
10. Screened interval/open hole (fbgs) 17.1 - 27.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/07/19 Time: 11:47
15. Depth to Ground Water Depth to ground water at time of deployment: 17.65
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146A
4. Well Permit Number: E201204689
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.51
9. Total Well Depth (fbgs) 27.1
10. Screened interval/open hole (fbgs) 17.1 - 27.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/07/19 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 17.65
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146B
4. Well Permit Number: E201306327
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 42 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 11:32
15. Depth to Ground Water Depth to ground water at time of deployment: 32.51
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146B
4. Well Permit Number: E201306327
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 42 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 32.51
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146C
4. Well Permit Number: E201306326
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/07/19 Time: 11:31
15. Depth to Ground Water Depth to ground water at time of deployment: 34.89
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 35.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146C
4. Well Permit Number: E201306326
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 11:34
15. Depth to Ground Water Depth to ground water at time of deployment: 34.89
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 35.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/06/19 Time: 14:57
15. Depth to Ground Water Depth to ground water at time of deployment: 21.77
16. Date and Time of Retrieval Date: 11/22/19 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.87
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.1			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 14:55
15. Depth to Ground Water Depth to ground water at time of deployment: 21.77
16. Date and Time of Retrieval Date: 11/22/19 Time: 10:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.87
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.1			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/06/19 Time: 14:54
15. Depth to Ground Water Depth to ground water at time of deployment: 22
16. Date and Time of Retrieval Date: 11/22/19 Time: 10:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/06/19 Time: 14:57
15. Depth to Ground Water Depth to ground water at time of deployment: 22
16. Date and Time of Retrieval Date: 11/22/19 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/05/19 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 12.95
16. Date and Time of Retrieval Date: 12/30/19 Time: 12:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 12.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 17.3/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/05/19 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 12.95
16. Date and Time of Retrieval Date: 12/30/19 Time: 12:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 12.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 17.3/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/05/19 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 12.95
16. Date and Time of Retrieval Date: 12/30/19 Time: 12:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 12.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 17.3/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170BR
4. Well Permit Number: E201510907
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/05/19 Time: 09:54
15. Depth to Ground Water Depth to ground water at time of deployment: 12.08
16. Date and Time of Retrieval Date: 12/30/19 Time: 12:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 12.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 17.3/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170R
4. Well Permit Number: E201507725
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39

9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 12/05/19 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 13.24
16. Date and Time of Retrieval Date: 12/30/19 Time: 12:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.6 Wind: 12.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 5.8/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 10:22
15. Depth to Ground Water Depth to ground water at time of deployment: 5.85
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 5.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 10:27
15. Depth to Ground Water Depth to ground water at time of deployment: 5.85
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 5.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/07/19 Time: 10:25
15. Depth to Ground Water Depth to ground water at time of deployment: 15.15
16. Date and Time of Retrieval Date: 11/21/19 Time: 14:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 5.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 10:24
15. Depth to Ground Water Depth to ground water at time of deployment: 15.15
16. Date and Time of Retrieval Date: 11/21/19 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 5.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 13.42
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 11.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 5.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 10:27
15. Depth to Ground Water Depth to ground water at time of deployment: 13.42
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 5.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/25/19 Time: 10:03
15. Depth to Ground Water Depth to ground water at time of deployment: 34.28
16. Date and Time of Retrieval Date: 12/10/19 Time: 10:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.3
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/25/19 Time: 10:03
15. Depth to Ground Water Depth to ground water at time of deployment: 34.28
16. Date and Time of Retrieval Date: 12/10/19 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.3
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:37
15. Depth to Ground Water Depth to ground water at time of deployment: 9.7
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:37
15. Depth to Ground Water Depth to ground water at time of deployment: 9.7
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:36
15. Depth to Ground Water Depth to ground water at time of deployment: 10.08
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:36
15. Depth to Ground Water Depth to ground water at time of deployment: 10.08
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:34
15. Depth to Ground Water Depth to ground water at time of deployment: 9.3
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:34
15. Depth to Ground Water Depth to ground water at time of deployment: 9.3
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 15.04
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 15.04
16. Date and Time of Retrieval Date: 11/27/19 Time: 14:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-204C
4. Well Permit Number: E201304823
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 76.5
10. Screened interval/open hole (fbgs) 56.5 - 76.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 14.77
16. Date and Time of Retrieval Date: 12/05/19 Time: 10:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 18.4/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-204C
4. Well Permit Number: E201304823
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 76.5
10. Screened interval/open hole (fbgs) 56.5 - 76.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 14.77
16. Date and Time of Retrieval Date: 12/05/19 Time: 10:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 18.4/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2
9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 10:53
15. Depth to Ground Water Depth to ground water at time of deployment: 3
16. Date and Time of Retrieval Date: 12/04/19 Time: 10:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.2 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2
9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 10:53
15. Depth to Ground Water Depth to ground water at time of deployment: 3
16. Date and Time of Retrieval Date: 12/04/19 Time: 10:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.2 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/05/19 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 2.65
16. Date and Time of Retrieval Date: 12/04/19 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.2 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/05/19 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 2.65
16. Date and Time of Retrieval Date: 12/04/19 Time: 10:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.2 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 12:10
15. Depth to Ground Water Depth to ground water at time of deployment: 5
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 12:10
15. Depth to Ground Water Depth to ground water at time of deployment: 5
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 12:18
15. Depth to Ground Water Depth to ground water at time of deployment: 7.15
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 12:18
15. Depth to Ground Water Depth to ground water at time of deployment: 7.15
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 12:28
15. Depth to Ground Water Depth to ground water at time of deployment: 7.38
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 12:28
15. Depth to Ground Water Depth to ground water at time of deployment: 7.38
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-208C
4. Well Permit Number: E201302497
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 12:47
15. Depth to Ground Water Depth to ground water at time of deployment: 9.74
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-208C
4. Well Permit Number: E201302497
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 12:47
15. Depth to Ground Water Depth to ground water at time of deployment: 9.74
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-208C
4. Well Permit Number: E201302497
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/06/19 Time: 14:57
15. Depth to Ground Water Depth to ground water at time of deployment: 10.18
16. Date and Time of Retrieval Date: 12/27/19 Time: 09:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 13.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/05/19 Time: 15:35
15. Depth to Ground Water Depth to ground water at time of deployment: 3.61
16. Date and Time of Retrieval Date: 11/27/19 Time: 10:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/05/19 Time: 15:35
15. Depth to Ground Water Depth to ground water at time of deployment: 3.61
16. Date and Time of Retrieval Date: 11/27/19 Time: 10:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/05/19 Time: 15:40
15. Depth to Ground Water Depth to ground water at time of deployment: 4.21
16. Date and Time of Retrieval Date: 11/27/19 Time: 10:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/05/19 Time: 15:40
15. Depth to Ground Water Depth to ground water at time of deployment: 4.21
16. Date and Time of Retrieval Date: 11/27/19 Time: 10:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209C
4. Well Permit Number: E201306461
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/05/19 Time: 15:45
15. Depth to Ground Water Depth to ground water at time of deployment: 4.17
16. Date and Time of Retrieval Date: 11/27/19 Time: 10:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209C
4. Well Permit Number: E201306461
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/05/19 Time: 15:45
15. Depth to Ground Water Depth to ground water at time of deployment: 4.17
16. Date and Time of Retrieval Date: 11/27/19 Time: 10:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209C
4. Well Permit Number: E201306461
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/05/19 Time: 13:47
15. Depth to Ground Water Depth to ground water at time of deployment: 4.38
16. Date and Time of Retrieval Date: 12/27/19 Time: 10:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-210
4. Well Permit Number: E201305233
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/06/19 Time: 15:19
15. Depth to Ground Water Depth to ground water at time of deployment: 4.86
16. Date and Time of Retrieval Date: 12/27/19 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 13.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213B
4. Well Permit Number: E201311462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 27.97
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213B
4. Well Permit Number: E201311462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 11:16
15. Depth to Ground Water Depth to ground water at time of deployment: 27.97
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213C
4. Well Permit Number: E201311466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 11:19
15. Depth to Ground Water Depth to ground water at time of deployment: 30.08
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213C
4. Well Permit Number: E201311466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/06/19 Time: 11:18
15. Depth to Ground Water Depth to ground water at time of deployment: 30.08
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214A
4. Well Permit Number: E201311468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 20 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 12:26
15. Depth to Ground Water Depth to ground water at time of deployment: 19.26
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214A
4. Well Permit Number: E201311468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 20 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 12:26
15. Depth to Ground Water Depth to ground water at time of deployment: 19.26
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214B
4. Well Permit Number: E201312148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 12:27
15. Depth to Ground Water Depth to ground water at time of deployment: 18.75
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:29
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214B
4. Well Permit Number: E201312148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 12:27
15. Depth to Ground Water Depth to ground water at time of deployment: 18.75
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214C
4. Well Permit Number: E201311480
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 12:25
15. Depth to Ground Water Depth to ground water at time of deployment: 19.38
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214C
4. Well Permit Number: E201311480
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 12:25
15. Depth to Ground Water Depth to ground water at time of deployment: 19.38
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-215C
4. Well Permit Number: E201311204
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/07/19 Time: 08:32
15. Depth to Ground Water Depth to ground water at time of deployment: 9.24
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-215C
4. Well Permit Number: E201311204
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 9.24
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-216C
4. Well Permit Number: E201311207
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 12:09
15. Depth to Ground Water Depth to ground water at time of deployment: 21.21
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-216C
4. Well Permit Number: E201311207
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 12:12
15. Depth to Ground Water Depth to ground water at time of deployment: 21.21
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222
4. Well Permit Number: E201313503
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 09:49
15. Depth to Ground Water Depth to ground water at time of deployment: 22.53
16. Date and Time of Retrieval Date: 12/04/19 Time: 12:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 11.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222
4. Well Permit Number: E201313503
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 09:51
15. Depth to Ground Water Depth to ground water at time of deployment: 22.53
16. Date and Time of Retrieval Date: 12/04/19 Time: 12:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 11.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222C
4. Well Permit Number: E201311482
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 257
10. Screened interval/open hole (fbgs) 247 - 257
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/07/19 Time: 09:48
15. Depth to Ground Water Depth to ground water at time of deployment: 30.63
16. Date and Time of Retrieval Date: 12/04/19 Time: 12:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.68
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
254.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 11.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222C
4. Well Permit Number: E201311482
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 257
10. Screened interval/open hole (fbgs) 247 - 257
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/07/19 Time: 09:46
15. Depth to Ground Water Depth to ground water at time of deployment: 30.63
16. Date and Time of Retrieval Date: 12/04/19 Time: 12:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.68
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
254.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.0 Wind: 11.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236B
4. Well Permit Number: E201312196
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56

9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/06/19 Time: 12:10
15. Depth to Ground Water Depth to ground water at time of deployment: 9.96
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236B
4. Well Permit Number: E201312196
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 12:10
15. Depth to Ground Water Depth to ground water at time of deployment: 9.96
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236C
4. Well Permit Number: E201312197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 12:08
15. Depth to Ground Water Depth to ground water at time of deployment: 11.41
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236C
4. Well Permit Number: E201312197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45

9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/06/19 Time: 12:08
15. Depth to Ground Water Depth to ground water at time of deployment: 11.41
16. Date and Time of Retrieval Date: 11/27/19 Time: 11:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 07:52
15. Depth to Ground Water Depth to ground water at time of deployment: 17.88
16. Date and Time of Retrieval Date: 11/23/19 Time: 16:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55

9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 11/04/19 Time: 07:52
15. Depth to Ground Water Depth to ground water at time of deployment: 17.88
16. Date and Time of Retrieval Date: 11/23/19 Time: 16:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237B
4. Well Permit Number: E201311726
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 07:53
15. Depth to Ground Water Depth to ground water at time of deployment: 23.13
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.77
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
74.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237B
4. Well Permit Number: E201311726
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 07:53
15. Depth to Ground Water Depth to ground water at time of deployment: 23.13
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
74.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 29.13
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 29.13
16. Date and Time of Retrieval Date: 11/23/19 Time: 15:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-238C
4. Well Permit Number: E201312547
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 69.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 14:39
15. Depth to Ground Water Depth to ground water at time of deployment: 11.59
16. Date and Time of Retrieval Date: 11/25/19 Time: 13:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/25/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-238C
4. Well Permit Number: E201312547
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 69.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 14:39
15. Depth to Ground Water Depth to ground water at time of deployment: 11.59
16. Date and Time of Retrieval Date: 11/25/19 Time: 13:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/25/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-249A
4. Well Permit Number: E201403942
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.6
9. Total Well Depth (fbgs) 29.6
10. Screened interval/open hole (fbgs) 14.6 - 29.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:26
15. Depth to Ground Water Depth to ground water at time of deployment: 12.01
16. Date and Time of Retrieval Date: 12/05/19 Time: 11:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 18.4/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-249A
4. Well Permit Number: E201403942
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.6
9. Total Well Depth (fbgs) 29.6
10. Screened interval/open hole (fbgs) 14.6 - 29.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:26
15. Depth to Ground Water Depth to ground water at time of deployment: 12.01
16. Date and Time of Retrieval Date: 12/05/19 Time: 11:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 18.4/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:44
15. Depth to Ground Water Depth to ground water at time of deployment: 14.81
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:44
15. Depth to Ground Water Depth to ground water at time of deployment: 14.81
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:47
15. Depth to Ground Water Depth to ground water at time of deployment: 13.8
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:47
15. Depth to Ground Water Depth to ground water at time of deployment: 13.8
16. Date and Time of Retrieval Date: 12/05/19 Time: 14:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.0 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258B
4. Well Permit Number: E201315392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 59 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/07/19 Time: 09:17
15. Depth to Ground Water Depth to ground water at time of deployment: 58.07
16. Date and Time of Retrieval Date: 11/27/19 Time: 13:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 59.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258B
4. Well Permit Number: E201315392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 59 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/07/19 Time: 09:16
15. Depth to Ground Water Depth to ground water at time of deployment: 58.07
16. Date and Time of Retrieval Date: 11/27/19 Time: 13:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 59.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258C
4. Well Permit Number: E201314458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 105 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/07/19 Time: 09:18
15. Depth to Ground Water Depth to ground water at time of deployment: 62.09
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 63.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
107.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258C
4. Well Permit Number: E201314458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 105 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/07/19 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 62.09
16. Date and Time of Retrieval Date: 11/27/19 Time: 12:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 63.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
107.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 10.4/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/25/19 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 59.67
16. Date and Time of Retrieval Date: 12/10/19 Time: 11:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/25/19 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 59.67
16. Date and Time of Retrieval Date: 12/10/19 Time: 11:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 63.16
16. Date and Time of Retrieval Date: 11/25/19 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 63.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 4.6/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 63.16
16. Date and Time of Retrieval Date: 11/25/19 Time: 08:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 63.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 4.6/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 07:39
15. Depth to Ground Water Depth to ground water at time of deployment: 3.55
16. Date and Time of Retrieval Date: 12/04/19 Time: 11:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.7			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 07:39
15. Depth to Ground Water Depth to ground water at time of deployment: 3.55
16. Date and Time of Retrieval Date: 12/04/19 Time: 11:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.7			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 07:41
15. Depth to Ground Water Depth to ground water at time of deployment: 5.62
16. Date and Time of Retrieval Date: 12/04/19 Time: 10:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.58
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.03			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 07:41
15. Depth to Ground Water Depth to ground water at time of deployment: 5.62
16. Date and Time of Retrieval Date: 12/04/19 Time: 10:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 51.72
16. Date and Time of Retrieval Date: 11/22/19 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 51.72
16. Date and Time of Retrieval Date: 11/22/19 Time: 13:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 52.05
16. Date and Time of Retrieval Date: 11/22/19 Time: 13:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 52.05
16. Date and Time of Retrieval Date: 11/22/19 Time: 13:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 13.8/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 56.76
16. Date and Time of Retrieval Date: 11/25/19 Time: 08:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 57.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
60.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 4.6/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 56.76
16. Date and Time of Retrieval Date: 11/25/19 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 57.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
60.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 4.6/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:26
15. Depth to Ground Water Depth to ground water at time of deployment: 37.32
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:26
15. Depth to Ground Water Depth to ground water at time of deployment: 37.32
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 08:26
15. Depth to Ground Water Depth to ground water at time of deployment: 48.54
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 08:26
15. Depth to Ground Water Depth to ground water at time of deployment: 48.54
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 08:27
15. Depth to Ground Water Depth to ground water at time of deployment: 51.92
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 08:27
15. Depth to Ground Water Depth to ground water at time of deployment: 51.92
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275A
4. Well Permit Number: E201405042
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 14:39
15. Depth to Ground Water Depth to ground water at time of deployment: 5.02
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.3
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275A
4. Well Permit Number: E201405042
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 14:39
15. Depth to Ground Water Depth to ground water at time of deployment: 5.02
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.3
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275A
4. Well Permit Number: E201405042
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/06/19 Time: 14:41
15. Depth to Ground Water Depth to ground water at time of deployment: 5.51
16. Date and Time of Retrieval Date: 12/27/19 Time: 09:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 13.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 12:58
15. Depth to Ground Water Depth to ground water at time of deployment: 4.6
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 12:58
15. Depth to Ground Water Depth to ground water at time of deployment: 4.6
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275C
4. Well Permit Number: E201405044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 13:09
15. Depth to Ground Water Depth to ground water at time of deployment: 4.89
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275C
4. Well Permit Number: E201405044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 13:09
15. Depth to Ground Water Depth to ground water at time of deployment: 4.89
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275C
4. Well Permit Number: E201405044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/06/19 Time: 14:49
15. Depth to Ground Water Depth to ground water at time of deployment: 5.22
16. Date and Time of Retrieval Date: 12/27/19 Time: 09:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 13.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31

9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 14:24
15. Depth to Ground Water Depth to ground water at time of deployment: 18.34
16. Date and Time of Retrieval Date: 11/21/19 Time: 23:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 9.2/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:17
15. Depth to Ground Water Depth to ground water at time of deployment: 18.34
16. Date and Time of Retrieval Date: 11/21/19 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276B
4. Well Permit Number: E201403621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 17.64
16. Date and Time of Retrieval Date: 11/21/19 Time: 11:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276B
4. Well Permit Number: E201403621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:14
15. Depth to Ground Water Depth to ground water at time of deployment: 17.64
16. Date and Time of Retrieval Date: 11/21/19 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 37.48
16. Date and Time of Retrieval Date: 11/21/19 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 38.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 14:27
15. Depth to Ground Water Depth to ground water at time of deployment: 37.48
16. Date and Time of Retrieval Date: 11/21/19 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 38.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-287AR
4. Well Permit Number: E201902995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☒ Stick Up ☐ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.33
9. Total Well Depth (fbgs) 10.9
10. Screened interval/open hole (fbgs) 2.9 - 10.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/05/19 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.86
16. Date and Time of Retrieval Date: 12/04/19 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.2 Wind: 5.8/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-287AR
4. Well Permit Number: E201902995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☒ Stick Up ☐ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.33
9. Total Well Depth (fbgs) 10.9
10. Screened interval/open hole (fbgs) 2.9 - 10.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/05/19 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.86
16. Date and Time of Retrieval Date: 12/04/19 Time: 10:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:18
15. Depth to Ground Water Depth to ground water at time of deployment: 12.85
16. Date and Time of Retrieval Date: 12/05/19 Time: 11:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 18.4/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52

9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 08:18
15. Depth to Ground Water Depth to ground water at time of deployment: 12.85
16. Date and Time of Retrieval Date: 12/05/19 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 18.4/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-302C
4. Well Permit Number: E201407274
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 97.9
10. Screened interval/open hole (fbgs) 72.9 - 97.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/08/19 Time: 10:24
15. Depth to Ground Water Depth to ground water at time of deployment: 21.31
16. Date and Time of Retrieval Date: 11/25/19 Time: 12:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
96.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 16.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-302C
4. Well Permit Number: E201407274
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 97.9
10. Screened interval/open hole (fbgs) 72.9 - 97.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 11/08/19 Time: 10:24
15. Depth to Ground Water Depth to ground water at time of deployment: 21.31
16. Date and Time of Retrieval Date: 11/25/19 Time: 12:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
96.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 3.9 Wind: 16.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 16:06
15. Depth to Ground Water Depth to ground water at time of deployment: 9.75
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 15:46
15. Depth to Ground Water Depth to ground water at time of deployment: 9.75
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304B
4. Well Permit Number: E201510845
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 30 - 50
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 16:04
15. Depth to Ground Water Depth to ground water at time of deployment: 8.52
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 5.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304B
4. Well Permit Number: E201510845
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 30 - 50
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 15:49
15. Depth to Ground Water Depth to ground water at time of deployment: 8.52
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304C
4. Well Permit Number: E201510846
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28

9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/06/19 Time: 16:06
15. Depth to Ground Water Depth to ground water at time of deployment: 7.46
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304C
4. Well Permit Number: E201510846
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28

9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/06/19 Time: 15:52
15. Depth to Ground Water Depth to ground water at time of deployment: 7.46
16. Date and Time of Retrieval Date: 11/21/19 Time: 13:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-320C
4. Well Permit Number: E201405734
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 67.9
10. Screened interval/open hole (fbgs) 57.9 - 67.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 12/05/19 Time: 15:11
15. Depth to Ground Water Depth to ground water at time of deployment: 6.53
16. Date and Time of Retrieval Date: 12/31/19 Time: 08:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
65.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/29/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.0 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 10:34
15. Depth to Ground Water Depth to ground water at time of deployment: 6.39
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 10:34
15. Depth to Ground Water Depth to ground water at time of deployment: 6.39
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347C
4. Well Permit Number: E201407736
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 10:49
15. Depth to Ground Water Depth to ground water at time of deployment: 7.28
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347C
4. Well Permit Number: E201407736
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/04/19 Time: 10:49
15. Depth to Ground Water Depth to ground water at time of deployment: 7.28
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347C
4. Well Permit Number: E201407736
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/10/19 Time: 12:09
15. Depth to Ground Water Depth to ground water at time of deployment: 7.36
16. Date and Time of Retrieval Date: 12/27/19 Time: 08:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.17
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 10.4/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 6.9/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 12:42
15. Depth to Ground Water Depth to ground water at time of deployment: 6.39
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 12:42
15. Depth to Ground Water Depth to ground water at time of deployment: 6.39
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348C
4. Well Permit Number: E201407807
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 7.73
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348C
4. Well Permit Number: E201407807
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 7.73
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348C
4. Well Permit Number: E201407807
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/10/19 Time: 12:05
15. Depth to Ground Water Depth to ground water at time of deployment: 7.84
16. Date and Time of Retrieval Date: 12/27/19 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 10.4/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 13:04
15. Depth to Ground Water Depth to ground water at time of deployment: 5.4
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/06/19 Time: 13:08
15. Depth to Ground Water Depth to ground water at time of deployment: 5.4
16. Date and Time of Retrieval Date: 11/27/19 Time: 08:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 13:03
15. Depth to Ground Water Depth to ground water at time of deployment: 5.46
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/06/19 Time: 13:05
15. Depth to Ground Water Depth to ground water at time of deployment: 5.46
16. Date and Time of Retrieval Date: 11/27/19 Time: 09:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 08:57
15. Depth to Ground Water Depth to ground water at time of deployment: 32.48
16. Date and Time of Retrieval Date: 12/05/19 Time: 12:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 34.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 16.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 08:57
15. Depth to Ground Water Depth to ground water at time of deployment: 32.48
16. Date and Time of Retrieval Date: 12/05/19 Time: 12:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 34.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 16.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 08:58
15. Depth to Ground Water Depth to ground water at time of deployment: 33.05
16. Date and Time of Retrieval Date: 12/05/19 Time: 12:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 34.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 16.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 08:58
15. Depth to Ground Water Depth to ground water at time of deployment: 33.05
16. Date and Time of Retrieval Date: 12/05/19 Time: 12:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 34.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 16.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/06/19 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 46.08
16. Date and Time of Retrieval Date: 12/05/19 Time: 12:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 46.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
125			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 16.1/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45

9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 11/06/19 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 46.08
16. Date and Time of Retrieval Date: 12/05/19 Time: 12:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 46.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
125			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 16.1/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-357A
4. Well Permit Number: E201409766
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 25.4
10. Screened interval/open hole (fbgs) 15.4 - 25.4
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 12/10/19 Time: 09:39
15. Depth to Ground Water Depth to ground water at time of deployment: 20
16. Date and Time of Retrieval Date: 12/30/19 Time: 09:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
20.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 13.8/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-357-S2
4. Well Permit Number: E201413443
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.54
9. Total Well Depth (fbgs) 60.3
10. Screened interval/open hole (fbgs) 50.3 - 60.3
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 12/10/19 Time: 09:42
15. Depth to Ground Water Depth to ground water at time of deployment: 4.95
16. Date and Time of Retrieval Date: 12/30/19 Time: 09:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/19/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 13.8/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-357-S3
4. Well Permit Number: E201414559
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 85.3
10. Screened interval/open hole (fbgs) 75.3 - 85.3
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 12/10/19 Time: 09:47
15. Depth to Ground Water Depth to ground water at time of deployment: 80
16. Date and Time of Retrieval Date: 12/30/19 Time: 09:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
80.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 9.2/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/07/19 Time: 13:11
15. Depth to Ground Water Depth to ground water at time of deployment: 40.6
16. Date and Time of Retrieval Date: 11/23/19 Time: 11:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.03			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 15.0/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/07/19 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 40.6
16. Date and Time of Retrieval Date: 11/23/19 Time: 11:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 15.0/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-374C
4. Well Permit Number: E201502845
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 107
10. Screened interval/open hole (fbgs) 97 - 107
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 13:08
15. Depth to Ground Water Depth to ground water at time of deployment: 43.71
16. Date and Time of Retrieval Date: 11/25/19 Time: 09:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
99.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 15.0/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-374C
4. Well Permit Number: E201502845
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 107
10. Screened interval/open hole (fbgs) 97 - 107
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 13:07
15. Depth to Ground Water Depth to ground water at time of deployment: 43.71
16. Date and Time of Retrieval Date: 11/25/19 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
99.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 15.0/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 08:55
15. Depth to Ground Water Depth to ground water at time of deployment: 28.75
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 08:55
15. Depth to Ground Water Depth to ground water at time of deployment: 28.75
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:57
15. Depth to Ground Water Depth to ground water at time of deployment: 30.49
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 08:57
15. Depth to Ground Water Depth to ground water at time of deployment: 30.49
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 43.64
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 43.64
16. Date and Time of Retrieval Date: 11/23/19 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 10:13
15. Depth to Ground Water Depth to ground water at time of deployment: 52.8
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 10:13
15. Depth to Ground Water Depth to ground water at time of deployment: 52.8
16. Date and Time of Retrieval Date: 11/23/19 Time: 13:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 08:30
15. Depth to Ground Water Depth to ground water at time of deployment: 47.11
16. Date and Time of Retrieval Date: 11/25/19 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 08:31
15. Depth to Ground Water Depth to ground water at time of deployment: 47.11
16. Date and Time of Retrieval Date: 11/25/19 Time: 10:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/08/19 Time: 08:27
15. Depth to Ground Water Depth to ground water at time of deployment: 47.14
16. Date and Time of Retrieval Date: 11/25/19 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.93
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2019-11-08

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
110.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/08/19 Time: 08:28
15. Depth to Ground Water Depth to ground water at time of deployment: 47.14
16. Date and Time of Retrieval Date: 11/25/19 Time: 10:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.93
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
110.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 1.7 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-378C
4. Well Permit Number: E201500789
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.71

9. Total Well Depth (fbgs) 107.9
10. Screened interval/open hole (fbgs) 97.9 - 107.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/08/19 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 49.95
16. Date and Time of Retrieval Date: 11/25/19 Time: 10:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
99.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-378C
4. Well Permit Number: E201500789
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.71
9. Total Well Depth (fbgs) 107.9
10. Screened interval/open hole (fbgs) 97.9 - 107.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 12:02
15. Depth to Ground Water Depth to ground water at time of deployment: 49.95
16. Date and Time of Retrieval Date: 11/25/19 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
99.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-391A
4. Well Permit Number: E201415871
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 28.84
10. Screened interval/open hole (fbgs) 18.84 - 28.84
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 12/06/19 Time: 13:07
15. Depth to Ground Water Depth to ground water at time of deployment: 6.25
16. Date and Time of Retrieval Date: 12/30/19 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
21.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 13.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 18.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-391C
4. Well Permit Number: E201415873
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31

9. Total Well Depth (fbgs) 123.6
10. Screened interval/open hole (fbgs) 113.6 - 123.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 12/06/19 Time: 12:55
15. Depth to Ground Water Depth to ground water at time of deployment: 14.4
16. Date and Time of Retrieval Date: 12/30/19 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 7.8 Wind: 13.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 15.0/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-391-S3
4. Well Permit Number: E201415872
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 83.46
10. Screened interval/open hole (fbgs) 73.46 - 83.46
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 12/06/19 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.59
16. Date and Time of Retrieval Date: 12/30/19 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 13.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 18.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-394B
4. Well Permit Number: E201415864
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 12/06/19 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 5.75
16. Date and Time of Retrieval Date: 12/30/19 Time: 08:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
65.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/18/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 13.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 10.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-394C
4. Well Permit Number: E201415860
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.72
9. Total Well Depth (fbgs) 103
10. Screened interval/open hole (fbgs) 93 - 103
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/06/19 Time: 12:40
15. Depth to Ground Water Depth to ground water at time of deployment: 13.23
16. Date and Time of Retrieval Date: 12/30/19 Time: 08:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.29
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 13.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 11.5/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 10:18
15. Depth to Ground Water Depth to ground water at time of deployment: 8.05
16. Date and Time of Retrieval Date: 12/04/19 Time: 15:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 10.4/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 10:18
15. Depth to Ground Water Depth to ground water at time of deployment: 8.05
16. Date and Time of Retrieval Date: 12/04/19 Time: 15:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 10.4/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 10:15
15. Depth to Ground Water Depth to ground water at time of deployment: 9.1
16. Date and Time of Retrieval Date: 12/04/19 Time: 15:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50.03			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 10.4/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 11/04/19 Time: 10:15
15. Depth to Ground Water Depth to ground water at time of deployment: 9.1
16. Date and Time of Retrieval Date: 12/04/19 Time: 15:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50.03			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 6.9/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416C
4. Well Permit Number: E201501192
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 115
10. Screened interval/open hole (fbgs) 105 - 115
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 10:12
15. Depth to Ground Water Depth to ground water at time of deployment: 12.97
16. Date and Time of Retrieval Date: 12/04/19 Time: 15:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
105.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 6.9/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416C
4. Well Permit Number: E201501192
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 115
10. Screened interval/open hole (fbgs) 105 - 115
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 10:12
15. Depth to Ground Water Depth to ground water at time of deployment: 12.97
16. Date and Time of Retrieval Date: 12/04/19 Time: 15:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
105.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.3 Wind: 6.9/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-417C
4. Well Permit Number: E201501840
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 08:16
15. Depth to Ground Water Depth to ground water at time of deployment: 31.45
16. Date and Time of Retrieval Date: 11/23/19 Time: 11:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/15/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-417C
4. Well Permit Number: E201501840
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/08/19 Time: 08:17
15. Depth to Ground Water Depth to ground water at time of deployment: 31.45
16. Date and Time of Retrieval Date: 11/23/19 Time: 11:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.03			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/15/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-446A
4. Well Permit Number: E201505760
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 07:46
15. Depth to Ground Water Depth to ground water at time of deployment: 4.53
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 5.8/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-446A
4. Well Permit Number: E201505760
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 4.53
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 5.8/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-452C
4. Well Permit Number: E201509736
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 50 - 70
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/08/19 Time: 14:17
15. Depth to Ground Water Depth to ground water at time of deployment: 20.75
16. Date and Time of Retrieval Date: 11/25/19 Time: 13:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/27/18
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 16.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-452C
4. Well Permit Number: E201509736
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 50 - 70
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/08/19 Time: 14:17
15. Depth to Ground Water Depth to ground water at time of deployment: 20.75
16. Date and Time of Retrieval Date: 11/25/19 Time: 13:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/27/18
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 16.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-469A
4. Well Permit Number: E201507721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 12/05/19 Time: 09:49
15. Depth to Ground Water Depth to ground water at time of deployment: 12.85
16. Date and Time of Retrieval Date: 12/30/19 Time: 13:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 12.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 17.3/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-472A
4. Well Permit Number: E201505990
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 4.97
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.29
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-472A
4. Well Permit Number: E201505990
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 4.97
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.29
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-472S
4. Well Permit Number: E201509017
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 10
10. Screened interval/open hole (fbgs) 3 - 10
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 5.18
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-472S
4. Well Permit Number: E201509017
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 10
10. Screened interval/open hole (fbgs) 3 - 10
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 5.18
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-473A
4. Well Permit Number: E201508353
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:45
15. Depth to Ground Water Depth to ground water at time of deployment: 5.24
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-473A
4. Well Permit Number: E201508353
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:45
15. Depth to Ground Water Depth to ground water at time of deployment: 5.24
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-474A
4. Well Permit Number: E201508354
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:47
15. Depth to Ground Water Depth to ground water at time of deployment: 6.97
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-474A
4. Well Permit Number: E201508354
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:47
15. Depth to Ground Water Depth to ground water at time of deployment: 6.97
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-474B
4. Well Permit Number: E201615024
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 15:49
15. Depth to Ground Water Depth to ground water at time of deployment: 3.23
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-474B
4. Well Permit Number: E201615024
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 15:49
15. Depth to Ground Water Depth to ground water at time of deployment: 3.23
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-475A
4. Well Permit Number: E201508355
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:53
15. Depth to Ground Water Depth to ground water at time of deployment: 7.09
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-475A
4. Well Permit Number: E201508355
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:53
15. Depth to Ground Water Depth to ground water at time of deployment: 7.09
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-476A
4. Well Permit Number: E201509018
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 07:51
15. Depth to Ground Water Depth to ground water at time of deployment: 3.96
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 5.8/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-476A
4. Well Permit Number: E201509018
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/07/19 Time: 07:50
15. Depth to Ground Water Depth to ground water at time of deployment: 3.96
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 5.8/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-477A
4. Well Permit Number: E201509019
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 3.75
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-477A
4. Well Permit Number: E201509019
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 3.75
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-479A
4. Well Permit Number: E201706151
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 4.85
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-479A
4. Well Permit Number: E201706151
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 4.85
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-479B
4. Well Permit Number: E201510870
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:26
15. Depth to Ground Water Depth to ground water at time of deployment: 5.95
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:49
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-479B
4. Well Permit Number: E201510870
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:26
15. Depth to Ground Water Depth to ground water at time of deployment: 5.95
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-479C
4. Well Permit Number: E201509104
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 100 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 10.38
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.77
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
102.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-479C
4. Well Permit Number: E201509104
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 100 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 10.38
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.77
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
102.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-479C
4. Well Permit Number: E201509104
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 100 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 12/06/19 Time: 15:11
15. Depth to Ground Water Depth to ground water at time of deployment: 10.66
16. Date and Time of Retrieval Date: 12/27/19 Time: 07:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
102.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 13.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-479S
4. Well Permit Number: E201706148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 10
10. Screened interval/open hole (fbgs) 3 - 10
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 3.8
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-479S
4. Well Permit Number: E201706148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 10
10. Screened interval/open hole (fbgs) 3 - 10
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 3.8
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-480A
4. Well Permit Number: E201510871
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 22
10. Screened interval/open hole (fbgs) 10 - 22
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 13:35
15. Depth to Ground Water Depth to ground water at time of deployment: 6.21
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-480A
4. Well Permit Number: E201510871
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 22
10. Screened interval/open hole (fbgs) 10 - 22
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 13:35
15. Depth to Ground Water Depth to ground water at time of deployment: 6.21
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-481B
4. Well Permit Number: E201513391
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.9
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-481B
4. Well Permit Number: E201513391
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.9
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-481C
4. Well Permit Number: E201513392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 80 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 12.15
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
83.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-481C
4. Well Permit Number: E201513392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 80 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 12.15
16. Date and Time of Retrieval Date: 11/26/19 Time: 09:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
83.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-482B
4. Well Permit Number: E201511554
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 15:05
15. Depth to Ground Water Depth to ground water at time of deployment: 6.07
16. Date and Time of Retrieval Date: 11/26/19 Time: 10:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-482B
4. Well Permit Number: E201511554
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 15:05
15. Depth to Ground Water Depth to ground water at time of deployment: 6.07
16. Date and Time of Retrieval Date: 11/26/19 Time: 10:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-482C
4. Well Permit Number: E201511551
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 7.35
16. Date and Time of Retrieval Date: 11/26/19 Time: 10:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
88.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-482C
4. Well Permit Number: E201511551
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 7.35
16. Date and Time of Retrieval Date: 11/26/19 Time: 10:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
88.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 6.58
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 11/05/19 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 6.58
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 7.22
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/05/19 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 7.22
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-485A
4. Well Permit Number: E201511647
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:55
15. Depth to Ground Water Depth to ground water at time of deployment: 3.08
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-485A
4. Well Permit Number: E201511647
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:55
15. Depth to Ground Water Depth to ground water at time of deployment: 3.08
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-486A
4. Well Permit Number: E201511648
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:57
15. Depth to Ground Water Depth to ground water at time of deployment: 6.69
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-486A
4. Well Permit Number: E201511648
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:57
15. Depth to Ground Water Depth to ground water at time of deployment: 6.69
16. Date and Time of Retrieval Date: 11/26/19 Time: 08:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-487A
4. Well Permit Number: E201511649
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:59
15. Depth to Ground Water Depth to ground water at time of deployment: 5.51
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-487A
4. Well Permit Number: E201511649
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 15:59
15. Depth to Ground Water Depth to ground water at time of deployment: 5.51
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-487B
4. Well Permit Number: E201615025
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 16:02
15. Depth to Ground Water Depth to ground water at time of deployment: 3.99
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-487B
4. Well Permit Number: E201615025
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 16:02
15. Depth to Ground Water Depth to ground water at time of deployment: 3.99
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-487S
4. Well Permit Number: E201513662
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 10
10. Screened interval/open hole (fbgs) 3 - 10
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 16:05
15. Depth to Ground Water Depth to ground water at time of deployment: 7.38
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.3
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-487S
4. Well Permit Number: E201513662
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 10
10. Screened interval/open hole (fbgs) 3 - 10
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 16:05
15. Depth to Ground Water Depth to ground water at time of deployment: 7.38
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.3
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-488A
4. Well Permit Number: E201511650
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 16:07
15. Depth to Ground Water Depth to ground water at time of deployment: 7.81
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-488A
4. Well Permit Number: E201511650
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 16:07
15. Depth to Ground Water Depth to ground water at time of deployment: 7.81
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-488B
4. Well Permit Number: E201615026
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 16:09
15. Depth to Ground Water Depth to ground water at time of deployment: 4.38
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-488B
4. Well Permit Number: E201615026
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/04/19 Time: 16:09
15. Depth to Ground Water Depth to ground water at time of deployment: 4.38
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-489A
4. Well Permit Number: E201511651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 16:11
15. Depth to Ground Water Depth to ground water at time of deployment: 6.94
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-489A
4. Well Permit Number: E201511651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 16:11
15. Depth to Ground Water Depth to ground water at time of deployment: 6.94
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-496A
4. Well Permit Number: E201513661
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 16:13
15. Depth to Ground Water Depth to ground water at time of deployment: 4.73
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-496A
4. Well Permit Number: E201513661
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 16:13
15. Depth to Ground Water Depth to ground water at time of deployment: 4.73
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-496S
4. Well Permit Number: E201513663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 10
10. Screened interval/open hole (fbgs) 3 - 10
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/12/19 Time: 16:16
15. Depth to Ground Water Depth to ground water at time of deployment: 5.58
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:49
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 16.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-496S
4. Well Permit Number: E201513663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 10
10. Screened interval/open hole (fbgs) 3 - 10
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 11/04/19 Time: 16:16
15. Depth to Ground Water Depth to ground water at time of deployment: 5.58
16. Date and Time of Retrieval Date: 11/26/19 Time: 07:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 3.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-501B
4. Well Permit Number: E201615023
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/05/19 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 4.58
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Mm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-501B
4. Well Permit Number: E201615023
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 11/05/19 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 4.58
16. Date and Time of Retrieval Date: 11/27/19 Time: 07:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MM

Attachment 5

Groundwater Sampling Sheets – 4Q 2020

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 66RI-MW4
4. Well Permit Number: E201304931
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 15.4
10. Screened interval/open hole (fbgs) 8.4 - 15.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 12
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 66RI-MW4
4. Well Permit Number: E201304931
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 15.4
10. Screened interval/open hole (fbgs) 8.4 - 15.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 12
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 131RI-MW1
4. Well Permit Number: E201306020
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 15.8
10. Screened interval/open hole (fbgs) 7.8 - 15.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 13.79
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 131RI-MW1
4. Well Permit Number: E201306020
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 15.8
10. Screened interval/open hole (fbgs) 7.8 - 15.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 13.79
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 138RI-MW1R
4. Well Permit Number: E202010338
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 32
10. Screened interval/open hole (fbgs) 22 - 32
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/30/20 Time: 08:15
15. Depth to Ground Water Depth to ground water at time of deployment: 5.4
16. Date and Time of Retrieval Date: 11/13/20 Time: 10:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 16.1/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 138RI-MW1R
4. Well Permit Number: E202010338
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 32
10. Screened interval/open hole (fbgs) 22 - 32
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/30/20 Time: 08:12
15. Depth to Ground Water Depth to ground water at time of deployment: 5.4
16. Date and Time of Retrieval Date: 11/13/20 Time: 10:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 16.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 138RI-MW1R
4. Well Permit Number: E202010338
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 32
10. Screened interval/open hole (fbgs) 22 - 32
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/30/20 Time: 08:15
15. Depth to Ground Water Depth to ground water at time of deployment: 5.4
16. Date and Time of Retrieval Date: 11/13/20 Time: 10:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 16.1/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 138RI-MW1R
4. Well Permit Number: E202010338
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 32
10. Screened interval/open hole (fbgs) 22 - 32
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/30/20 Time: 08:15
15. Depth to Ground Water Depth to ground water at time of deployment: 5.4
16. Date and Time of Retrieval Date: 11/13/20 Time: 10:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 16.1/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45

9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/28/20 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 61.36
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
134.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 23.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 61.36
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
133			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 62.8
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 62.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
277.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 62.8
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 62.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
278.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3B
4. Well Permit Number: E201218158
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48

9. Total Well Depth (fbgs) 122
10. Screened interval/open hole (fbgs) 112 - 122
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/30/20 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 49.17
16. Date and Time of Retrieval Date: 10/14/20 Time: 12:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.81
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 12.7/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3B
4. Well Permit Number: E201218158
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 122
10. Screened interval/open hole (fbgs) 112 - 122
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 49.17
16. Date and Time of Retrieval Date: 10/14/20 Time: 12:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.81
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
114			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 12.7/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 81.97
16. Date and Time of Retrieval Date: 10/14/20 Time: 12:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 81.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
288.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 12.7/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 81.97
16. Date and Time of Retrieval Date: 10/14/20 Time: 12:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 81.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 12.7/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4C
4. Well Permit Number: E201306325
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 117 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 41.97
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.93
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
140.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 12.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4C
4. Well Permit Number: E201306325
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 117 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 41.97
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.93
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 12.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4D
4. Well Permit Number: E201306324
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 25.73
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
448.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 12.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4D
4. Well Permit Number: E201306324
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 25.73
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 12.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6B
4. Well Permit Number: E201218159
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55

9. Total Well Depth (fbgs) 114.6
10. Screened interval/open hole (fbgs) 104.6 - 114.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 22.16
16. Date and Time of Retrieval Date: 10/20/20 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.47
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
113.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 9.2/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6B
4. Well Permit Number: E201218159
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55

9. Total Well Depth (fbgs) 114.6
10. Screened interval/open hole (fbgs) 104.6 - 114.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 22.16
16. Date and Time of Retrieval Date: 10/20/20 Time: 08:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.47
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 9.2/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6C
4. Well Permit Number: E201218160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.6
9. Total Well Depth (fbgs) 291
10. Screened interval/open hole (fbgs) 281 - 291
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 12:10
15. Depth to Ground Water Depth to ground water at time of deployment: 22.32
16. Date and Time of Retrieval Date: 10/20/20 Time: 08:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
289.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 9.2/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6C
4. Well Permit Number: E201218160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.6
9. Total Well Depth (fbgs) 291
10. Screened interval/open hole (fbgs) 281 - 291
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 12:10
15. Depth to Ground Water Depth to ground water at time of deployment: 22.32
16. Date and Time of Retrieval Date: 10/20/20 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
288			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 9.2/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6D
4. Well Permit Number: E201301046
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39

9. Total Well Depth (fbgs) 497.9
10. Screened interval/open hole (fbgs) 472.9 - 497.9
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 23.05
16. Date and Time of Retrieval Date: 10/20/20 Time: 09:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.63
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
496.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 9.2/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6D
4. Well Permit Number: E201301046
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39

9. Total Well Depth (fbgs) 497.9
10. Screened interval/open hole (fbgs) 472.9 - 497.9
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 23.05
16. Date and Time of Retrieval Date: 10/20/20 Time: 09:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.63
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
495			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 9.2/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 20.23
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
125.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 20.23
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.98
16. Date and Time of Retrieval Date: 10/15/20 Time: 12:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.48
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
173.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.98
16. Date and Time of Retrieval Date: 10/15/20 Time: 12:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.48
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 26.11
16. Date and Time of Retrieval Date: 10/15/20 Time: 12:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.75
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
343.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 26.11
16. Date and Time of Retrieval Date: 10/15/20 Time: 12:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.75
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
342			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 10:15
15. Depth to Ground Water Depth to ground water at time of deployment: 23.85
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.11
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
428.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 10:15
15. Depth to Ground Water Depth to ground water at time of deployment: 23.85
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.11
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 10:07
15. Depth to Ground Water Depth to ground water at time of deployment: 20.08
16. Date and Time of Retrieval Date: 10/13/20 Time: 11:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.44
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 10.4/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 10:07
15. Depth to Ground Water Depth to ground water at time of deployment: 20.08
16. Date and Time of Retrieval Date: 10/13/20 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.44
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
119.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 10.4/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 09:58
15. Depth to Ground Water Depth to ground water at time of deployment: 25.57
16. Date and Time of Retrieval Date: 10/13/20 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.7
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
189			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 9.2/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 09:58
15. Depth to Ground Water Depth to ground water at time of deployment: 25.57
16. Date and Time of Retrieval Date: 10/13/20 Time: 11:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.7
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
190.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 9.2/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8C
4. Well Permit Number: E201217463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.5

9. Total Well Depth (fbgs) 307
10. Screened interval/open hole (fbgs) 297 - 307
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 27.01
16. Date and Time of Retrieval Date: 10/13/20 Time: 11:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
304			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 10.4/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8C
4. Well Permit Number: E201217463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.5

9. Total Well Depth (fbgs) 307
10. Screened interval/open hole (fbgs) 297 - 307
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 27.01
16. Date and Time of Retrieval Date: 10/13/20 Time: 11:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
305.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 9.2/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-9A
4. Well Permit Number: E201217454
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 95.1
10. Screened interval/open hole (fbgs) 85.1 - 95.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 20.8
16. Date and Time of Retrieval Date: 10/20/20 Time: 09:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.19
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 12.7/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-9A
4. Well Permit Number: E201217454
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 95.1
10. Screened interval/open hole (fbgs) 85.1 - 95.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 20.8
16. Date and Time of Retrieval Date: 10/20/20 Time: 09:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.19
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 12.7/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11B
4. Well Permit Number: E201300242
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 8.16
16. Date and Time of Retrieval Date: 10/15/20 Time: 15:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.61
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 17.3/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 16.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11B
4. Well Permit Number: E201300242
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 8.16
16. Date and Time of Retrieval Date: 10/15/20 Time: 15:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.61
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 17.3/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 16.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11D
4. Well Permit Number: E201300243
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.78
16. Date and Time of Retrieval Date: 10/15/20 Time: 15:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.67
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
448.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 16.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11D
4. Well Permit Number: E201300243
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.78
16. Date and Time of Retrieval Date: 10/15/20 Time: 15:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.67
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 16.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12A
4. Well Permit Number: E201300227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 134
10. Screened interval/open hole (fbgs) 124 - 134
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 17.96
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
132.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 17.3/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12A
4. Well Permit Number: E201300227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 134
10. Screened interval/open hole (fbgs) 124 - 134
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 17.96
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
131			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 17.3/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12B
4. Well Permit Number: E201300228
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 181 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 24.79
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.18
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
183			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/23/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 20.7/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12B
4. Well Permit Number: E201300228
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 181 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 24.79
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.18
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
184.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/23/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 20.7/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12CR
4. Well Permit Number: E201412451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 520.1
10. Screened interval/open hole (fbgs) 495.1 - 520.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 24.53
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.86
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
517.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12CR
4. Well Permit Number: E201412451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 520.1
10. Screened interval/open hole (fbgs) 495.1 - 520.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 24.53
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.86
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
518.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 13.72
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.04
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
243.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:41
15. Depth to Ground Water Depth to ground water at time of deployment: 13.72
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.04
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
242.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16A
4. Well Permit Number: E201300231
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.95
9. Total Well Depth (fbgs) 218.1
10. Screened interval/open hole (fbgs) 208.1 - 218.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 17.65
16. Date and Time of Retrieval Date: 10/19/20 Time: 11:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.56
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
215.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16A
4. Well Permit Number: E201300231
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.95
9. Total Well Depth (fbgs) 218.1
10. Screened interval/open hole (fbgs) 208.1 - 218.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 17.65
16. Date and Time of Retrieval Date: 10/19/20 Time: 11:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.56
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Dz

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16B
4. Well Permit Number: E201300232
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.17
9. Total Well Depth (fbgs) 298.4
10. Screened interval/open hole (fbgs) 288.4 - 298.4
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:08
15. Depth to Ground Water Depth to ground water at time of deployment: 19.38
16. Date and Time of Retrieval Date: 10/19/20 Time: 11:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
294.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16B
4. Well Permit Number: E201300232
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.17
9. Total Well Depth (fbgs) 298.4
10. Screened interval/open hole (fbgs) 288.4 - 298.4
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:08
15. Depth to Ground Water Depth to ground water at time of deployment: 19.38
16. Date and Time of Retrieval Date: 10/19/20 Time: 11:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
294			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16C
4. Well Permit Number: E201301078
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 444.4
10. Screened interval/open hole (fbgs) 419.4 - 444.4
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/02/20 Time: 15:50
15. Depth to Ground Water Depth to ground water at time of deployment: 33.34
16. Date and Time of Retrieval Date: 10/19/20 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.43
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
436.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16C
4. Well Permit Number: E201301078
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 444.4
10. Screened interval/open hole (fbgs) 419.4 - 444.4
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/02/20 Time: 15:50
15. Depth to Ground Water Depth to ground water at time of deployment: 33.34
16. Date and Time of Retrieval Date: 10/19/20 Time: 11:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.43
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
435			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 16.54
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.76
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 16.54
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.76
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
117			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-24
4. Well Permit Number: E201314457
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 175
10. Screened interval/open hole (fbgs) 150 - 175
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 71.91
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 70.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
173.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 12.7/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 10.4/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-24
4. Well Permit Number: E201314457
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 175
10. Screened interval/open hole (fbgs) 150 - 175
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 71.91
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 70.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 12.7/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 10.4/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27B
4. Well Permit Number: E201315239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 299.8
10. Screened interval/open hole (fbgs) 274.8 - 299.8
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 24.64
16. Date and Time of Retrieval Date: 10/19/20 Time: 10:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
293.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27B
4. Well Permit Number: E201315239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 299.8
10. Screened interval/open hole (fbgs) 274.8 - 299.8
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 24.64
16. Date and Time of Retrieval Date: 10/19/20 Time: 10:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27C
4. Well Permit Number: E201402655
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 425
10. Screened interval/open hole (fbgs) 400 - 425
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 25.79
16. Date and Time of Retrieval Date: 10/19/20 Time: 10:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.85
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
423.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27C
4. Well Permit Number: E201402655
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 425
10. Screened interval/open hole (fbgs) 400 - 425
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 25.79
16. Date and Time of Retrieval Date: 10/19/20 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.85
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
422.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:22
15. Depth to Ground Water Depth to ground water at time of deployment: 53.67
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.94
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
182.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:22
15. Depth to Ground Water Depth to ground water at time of deployment: 53.67
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.94
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
181.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/28/20 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 53.72
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
309.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 53.72
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
308.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 10:35
15. Depth to Ground Water Depth to ground water at time of deployment: 41.57
16. Date and Time of Retrieval Date: 10/13/20 Time: 12:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
288.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 10.4/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 10:35
15. Depth to Ground Water Depth to ground water at time of deployment: 41.57
16. Date and Time of Retrieval Date: 10/13/20 Time: 12:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 10.4/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 42.71
16. Date and Time of Retrieval Date: 10/13/20 Time: 12:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 42.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
440.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 10.4/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 42.71
16. Date and Time of Retrieval Date: 10/13/20 Time: 12:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 42.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
439.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 10.4/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 23.33
16. Date and Time of Retrieval Date: 10/13/20 Time: 09:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
257			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 8.1/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27

9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 23.33
16. Date and Time of Retrieval Date: 10/13/20 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
258.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 8.1/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 08:30
15. Depth to Ground Water Depth to ground water at time of deployment: 307.8
16. Date and Time of Retrieval Date: 10/13/20 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 307.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
438.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 08:30
15. Depth to Ground Water Depth to ground water at time of deployment: 307.8
16. Date and Time of Retrieval Date: 10/13/20 Time: 08:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 307.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
364.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32A
4. Well Permit Number: E201318587
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 164
10. Screened interval/open hole (fbgs) 154 - 164
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 15.85
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.07
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
156			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 11.5/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32A
4. Well Permit Number: E201318587
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 164
10. Screened interval/open hole (fbgs) 154 - 164
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 15.85
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.07
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
157.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 11.5/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32B
4. Well Permit Number: E201315585
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 301.1
10. Screened interval/open hole (fbgs) 276.1 - 301.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 24.51
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
298			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32B
4. Well Permit Number: E201315585
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 301.1
10. Screened interval/open hole (fbgs) 276.1 - 301.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 24.51
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
299.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33A
4. Well Permit Number: E201401464
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 161.26
10. Screened interval/open hole (fbgs) 151.26 - 161.26
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 13.3
16. Date and Time of Retrieval Date: 10/19/20 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 12
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
153.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33A
4. Well Permit Number: E201401464
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 161.26
10. Screened interval/open hole (fbgs) 151.26 - 161.26
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 13.3
16. Date and Time of Retrieval Date: 10/19/20 Time: 08:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 12
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
152.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33B
4. Well Permit Number: E201318598
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 280.27
10. Screened interval/open hole (fbgs) 270.27 - 280.27
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 20.03
16. Date and Time of Retrieval Date: 10/19/20 Time: 08:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.1
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
277.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33B
4. Well Permit Number: E201318598
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 280.27
10. Screened interval/open hole (fbgs) 270.27 - 280.27
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 20.03
16. Date and Time of Retrieval Date: 10/19/20 Time: 08:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.1
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
276.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33C
4. Well Permit Number: E201402654
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 426.16
10. Screened interval/open hole (fbgs) 401.16 - 426.16
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 28.13
16. Date and Time of Retrieval Date: 10/19/20 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.87
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
418.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33C
4. Well Permit Number: E201402654
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58

9. Total Well Depth (fbgs) 426.16
10. Screened interval/open hole (fbgs) 401.16 - 426.16
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 28.13
16. Date and Time of Retrieval Date: 10/19/20 Time: 08:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.87
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
417.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-34B
4. Well Permit Number: E201315235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 17:00
15. Depth to Ground Water Depth to ground water at time of deployment: 44.99
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
288.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-34B
4. Well Permit Number: E201315235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 17:00
15. Depth to Ground Water Depth to ground water at time of deployment: 44.99
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 58.96
16. Date and Time of Retrieval Date: 10/13/20 Time: 16:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 57.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 58.96
16. Date and Time of Retrieval Date: 10/13/20 Time: 16:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 57.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
298.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 54.52
16. Date and Time of Retrieval Date: 10/14/20 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.59
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
179.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 54.52
16. Date and Time of Retrieval Date: 10/14/20 Time: 11:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.59
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
178.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:42
15. Depth to Ground Water Depth to ground water at time of deployment: 83.76
16. Date and Time of Retrieval Date: 10/14/20 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 83.24
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
250.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:42
15. Depth to Ground Water Depth to ground water at time of deployment: 83.76
16. Date and Time of Retrieval Date: 10/14/20 Time: 11:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 83.24
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
249.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 15:40
15. Depth to Ground Water Depth to ground water at time of deployment: 60.65
16. Date and Time of Retrieval Date: 10/14/20 Time: 08:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
294.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 15:40
15. Depth to Ground Water Depth to ground water at time of deployment: 60.65
16. Date and Time of Retrieval Date: 10/14/20 Time: 08:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
293.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 15:50
15. Depth to Ground Water Depth to ground water at time of deployment: 50.38
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.57
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
494.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 15:50
15. Depth to Ground Water Depth to ground water at time of deployment: 50.38
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.57
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
493.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 7.55
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.96
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 7.55
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.96
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
140.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.87
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
248.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 10.4/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.87
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
247.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 10.4/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:25
15. Depth to Ground Water Depth to ground water at time of deployment: 2.21
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
398.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27

9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/20 Time: 12:25
15. Depth to Ground Water Depth to ground water at time of deployment: 2.21
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
397.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-41C
4. Well Permit Number: E201407799
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 450.1
10. Screened interval/open hole (fbgs) 425.1 - 450.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 23.74
16. Date and Time of Retrieval Date: 10/20/20 Time: 09:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
428.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-41C
4. Well Permit Number: E201407799
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 450.1
10. Screened interval/open hole (fbgs) 425.1 - 450.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 23.74
16. Date and Time of Retrieval Date: 10/20/20 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 14:55
15. Depth to Ground Water Depth to ground water at time of deployment: 17.98
16. Date and Time of Retrieval Date: 10/20/20 Time: 09:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 14:55
15. Depth to Ground Water Depth to ground water at time of deployment: 17.98
16. Date and Time of Retrieval Date: 10/20/20 Time: 09:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
123.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-52A
4. Well Permit Number: E201413312
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45

9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 115 - 130
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/30/20 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 9.78
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
128.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 20.0 Wind: 12.7/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-52A
4. Well Permit Number: E201413312
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 115 - 130
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 9.78
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 12.7/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/30/20 Time: 15:35
15. Depth to Ground Water Depth to ground water at time of deployment: 41.86
16. Date and Time of Retrieval Date: 10/20/20 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.25
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
218.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 21.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 15:35
15. Depth to Ground Water Depth to ground water at time of deployment: 41.86
16. Date and Time of Retrieval Date: 10/20/20 Time: 11:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.25
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 21.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-64A
4. Well Permit Number: E201500412
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 235 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 09:05
15. Depth to Ground Water Depth to ground water at time of deployment: 50.43
16. Date and Time of Retrieval Date: 10/15/20 Time: 11:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.17
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
237.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-64A
4. Well Permit Number: E201500412
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 235 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 09:05
15. Depth to Ground Water Depth to ground water at time of deployment: 50.43
16. Date and Time of Retrieval Date: 10/15/20 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.17
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
238.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67B
4. Well Permit Number: E201509857
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 274.9
10. Screened interval/open hole (fbgs) 264.9 - 274.9
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/02/20 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 26.45
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 26
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
271			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67B
4. Well Permit Number: E201509857
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 274.9
10. Screened interval/open hole (fbgs) 264.9 - 274.9
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/02/20 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 26.45
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 26
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
269.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.98
16. Date and Time of Retrieval Date: 10/19/20 Time: 13:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
204			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 15.0/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.98
16. Date and Time of Retrieval Date: 10/19/20 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
202.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 15.0/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-157C2
4. Well Permit Number: E201509285
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 105.1
10. Screened interval/open hole (fbgs) 80.1 - 105.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 10.03
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
96.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-157C2
4. Well Permit Number: E201509285
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 105.1
10. Screened interval/open hole (fbgs) 80.1 - 105.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 10.03
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:49
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168B
4. Well Permit Number: E201507919
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 56.7
10. Screened interval/open hole (fbgs) 31.7 - 56.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.88
16. Date and Time of Retrieval Date: 10/20/20 Time: 07:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 3.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168B
4. Well Permit Number: E201507919
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 56.7
10. Screened interval/open hole (fbgs) 31.7 - 56.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.88
16. Date and Time of Retrieval Date: 10/20/20 Time: 07:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 3.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C1
4. Well Permit Number: E201507920
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 81.8
10. Screened interval/open hole (fbgs) 56.8 - 81.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.8
16. Date and Time of Retrieval Date: 10/20/20 Time: 07:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
68.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C1
4. Well Permit Number: E201507920
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 81.8
10. Screened interval/open hole (fbgs) 56.8 - 81.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.8
16. Date and Time of Retrieval Date: 10/20/20 Time: 07:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 3.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C2
4. Well Permit Number: E201507921
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 106.9
10. Screened interval/open hole (fbgs) 81.9 - 106.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.2
16. Date and Time of Retrieval Date: 10/20/20 Time: 07:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
89			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C2
4. Well Permit Number: E201507921
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 106.9
10. Screened interval/open hole (fbgs) 81.9 - 106.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.2
16. Date and Time of Retrieval Date: 10/20/20 Time: 07:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 4.89
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 15.0/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 4.89
16. Date and Time of Retrieval Date: 10/15/20 Time: 11:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 15.0/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2G
4. Well Permit Number: E201216676
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 4 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 2.69
16. Date and Time of Retrieval Date: 10/15/20 Time: 11:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2G
4. Well Permit Number: E201216676
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 4 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 2.69
16. Date and Time of Retrieval Date: 10/15/20 Time: 11:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-15A
4. Well Permit Number: 2600051888
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.09
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 6.72
16. Date and Time of Retrieval Date: 10/20/20 Time: 10:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/26/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 17.3/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-15A
4. Well Permit Number: 2600051888
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.09
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 6.72
16. Date and Time of Retrieval Date: 10/20/20 Time: 10:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/26/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 17.3/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-16
4. Well Permit Number: 2600012044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.19
9. Total Well Depth (fbgs) 13.8
10. Screened interval/open hole (fbgs) 3.8 - 13.8
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:38
15. Depth to Ground Water Depth to ground water at time of deployment: 4.55
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.82
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-16
4. Well Permit Number: 2600012044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.19
9. Total Well Depth (fbgs) 13.8
10. Screened interval/open hole (fbgs) 3.8 - 13.8
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:38
15. Depth to Ground Water Depth to ground water at time of deployment: 4.55
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.82
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24
4. Well Permit Number: 2600036932
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -5.7
9. Total Well Depth (fbgs) 41.7
10. Screened interval/open hole (fbgs) 31.7 - 41.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.68
16. Date and Time of Retrieval Date: 10/19/20 Time: 13:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.07
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24
4. Well Permit Number: 2600036932
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -5.7
9. Total Well Depth (fbgs) 41.7
10. Screened interval/open hole (fbgs) 31.7 - 41.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.68
16. Date and Time of Retrieval Date: 10/19/20 Time: 13:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.07
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 13.34
16. Date and Time of Retrieval Date: 10/15/20 Time: 08:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/20 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 13.34
16. Date and Time of Retrieval Date: 10/15/20 Time: 08:29
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.1			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:15
15. Depth to Ground Water Depth to ground water at time of deployment: 10.25
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/20 Time: 10:15
15. Depth to Ground Water Depth to ground water at time of deployment: 10.25
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44B
4. Well Permit Number: E201304514
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45.1
10. Screened interval/open hole (fbgs) 35.1 - 45.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 12.98
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44B
4. Well Permit Number: E201304514
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45.1
10. Screened interval/open hole (fbgs) 35.1 - 45.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 12.98
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Dz

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44C
4. Well Permit Number: E201302491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 81.3
10. Screened interval/open hole (fbgs) 61.3 - 81.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:42
15. Depth to Ground Water Depth to ground water at time of deployment: 18.37
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
78.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44C
4. Well Permit Number: E201302491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 81.3
10. Screened interval/open hole (fbgs) 61.3 - 81.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:42
15. Depth to Ground Water Depth to ground water at time of deployment: 18.37
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 50.16
16. Date and Time of Retrieval Date: 10/14/20 Time: 11:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.8
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
60.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 50.16
16. Date and Time of Retrieval Date: 10/14/20 Time: 11:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.8
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-58
4. Well Permit Number: 2600068227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 36
10. Screened interval/open hole (fbgs) 21 - 36
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 19.19
16. Date and Time of Retrieval Date: 10/13/20 Time: 07:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-58
4. Well Permit Number: 2600068227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56

9. Total Well Depth (fbgs) 36
10. Screened interval/open hole (fbgs) 21 - 36
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/28/20 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 19.19
16. Date and Time of Retrieval Date: 10/13/20 Time: 07:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-80C
4. Well Permit Number: E201316488
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.32
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 12:05
15. Depth to Ground Water Depth to ground water at time of deployment: 11.45
16. Date and Time of Retrieval Date: 10/19/20 Time: 13:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-80C
4. Well Permit Number: E201316488
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.32
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 12:05
15. Depth to Ground Water Depth to ground water at time of deployment: 11.45
16. Date and Time of Retrieval Date: 10/19/20 Time: 13:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-102
4. Well Permit Number: P200804386
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 7.26
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.39
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.35			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-102
4. Well Permit Number: P200804386
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 7.26
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.39
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 0.15
16. Date and Time of Retrieval Date: 10/14/20 Time: 10:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.23
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 15.0/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 0.15
16. Date and Time of Retrieval Date: 10/15/20 Time: 07:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.23
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 15.0/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 15:30
15. Depth to Ground Water Depth to ground water at time of deployment: 2.27
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.4			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 21.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 15:30
15. Depth to Ground Water Depth to ground water at time of deployment: 2.27
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.15			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 21.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 15:20
15. Depth to Ground Water Depth to ground water at time of deployment: 2.4
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.19
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 15:20
15. Depth to Ground Water Depth to ground water at time of deployment: 2.4
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.19
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 4.92
16. Date and Time of Retrieval Date: 10/14/20 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.9			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 08:52
15. Depth to Ground Water Depth to ground water at time of deployment: 4.92
16. Date and Time of Retrieval Date: 10/14/20 Time: 08:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/29/20 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 0.21
16. Date and Time of Retrieval Date: 10/14/20 Time: 08:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.1
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.45			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 09/29/20 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 0.21
16. Date and Time of Retrieval Date: 10/14/20 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.1
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.7			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-112A
4. Well Permit Number: E201412398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 08:25
15. Depth to Ground Water Depth to ground water at time of deployment: 4.97
16. Date and Time of Retrieval Date: 10/15/20 Time: 15:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-112A
4. Well Permit Number: E201412398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 08:25
15. Depth to Ground Water Depth to ground water at time of deployment: 4.97
16. Date and Time of Retrieval Date: 10/15/20 Time: 15:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/28/20 Time: 12:25
15. Depth to Ground Water Depth to ground water at time of deployment: 50.12
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.65			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/28/20 Time: 12:25
15. Depth to Ground Water Depth to ground water at time of deployment: 50.12
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.8			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 12:39
15. Depth to Ground Water Depth to ground water at time of deployment: 50.83
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 12:39
15. Depth to Ground Water Depth to ground water at time of deployment: 50.83
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 2.85
16. Date and Time of Retrieval Date: 10/19/20 Time: 15:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 17.3/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 2.85
16. Date and Time of Retrieval Date: 10/19/20 Time: 15:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
71.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 17.3/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 07:35
15. Depth to Ground Water Depth to ground water at time of deployment: 48.92
16. Date and Time of Retrieval Date: 10/14/20 Time: 12:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
78.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 12.7/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 07:35
15. Depth to Ground Water Depth to ground water at time of deployment: 48.92
16. Date and Time of Retrieval Date: 10/14/20 Time: 12:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 12.7/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 19
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 19
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 23.87
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.35
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 09/30/20 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 23.87
16. Date and Time of Retrieval Date: 10/15/20 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.35
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 16.1 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 11:50
15. Depth to Ground Water Depth to ground water at time of deployment: 13.73
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 4.6/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 11:50
15. Depth to Ground Water Depth to ground water at time of deployment: 6.65
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 4.6/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 6.07
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 6.07
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 13.55
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.26
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.95			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/29/20 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 13.55
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.26
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.7			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 14.04
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 14.04
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 23.92
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
78.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 23.92
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/20 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 14.93
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.76
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.9			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/20 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 14.93
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.76
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
20.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 15:26
15. Depth to Ground Water Depth to ground water at time of deployment: 15.64
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 15:26
15. Depth to Ground Water Depth to ground water at time of deployment: 15.64
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53
9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 15:31
15. Depth to Ground Water Depth to ground water at time of deployment: 15.18
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53
9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 15:31
15. Depth to Ground Water Depth to ground water at time of deployment: 15.18
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
78.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-145A
4. Well Permit Number: E201204688
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 27.5
10. Screened interval/open hole (fbgs) 17.5 - 27.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 20.54
16. Date and Time of Retrieval Date: 10/19/20 Time: 07:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.41
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-145A
4. Well Permit Number: E201204688
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 27.5
10. Screened interval/open hole (fbgs) 17.5 - 27.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 20.54
16. Date and Time of Retrieval Date: 10/19/20 Time: 07:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.41
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.8			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146A
4. Well Permit Number: E201204689
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.51
9. Total Well Depth (fbgs) 27.1
10. Screened interval/open hole (fbgs) 17.1 - 27.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 18.25
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.8			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 18.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146A
4. Well Permit Number: E201204689
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.51
9. Total Well Depth (fbgs) 27.1
10. Screened interval/open hole (fbgs) 17.1 - 27.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 18.25
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 18.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146B
4. Well Permit Number: E201306327
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 42 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 12:40
15. Depth to Ground Water Depth to ground water at time of deployment: 33.04
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.17
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 18.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146B
4. Well Permit Number: E201306327
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 42 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 12:40
15. Depth to Ground Water Depth to ground water at time of deployment: 33.04
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.17
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 18.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146C
4. Well Permit Number: E201306326
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 12:30
15. Depth to Ground Water Depth to ground water at time of deployment: 35.84
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 35.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
68.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 18.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146C
4. Well Permit Number: E201306326
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 12:30
15. Depth to Ground Water Depth to ground water at time of deployment: 35.84
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 35.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 18.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 07:44
15. Depth to Ground Water Depth to ground water at time of deployment: 21.81
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.79
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 12.7/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 07:44
15. Depth to Ground Water Depth to ground water at time of deployment: 21.81
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.79
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 12.7/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 07:50
15. Depth to Ground Water Depth to ground water at time of deployment: 21.76
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.35			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 12.7/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 07:50
15. Depth to Ground Water Depth to ground water at time of deployment: 21.76
16. Date and Time of Retrieval Date: 10/15/20 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.1			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 12.7/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 16.1/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 15.18
16. Date and Time of Retrieval Date: 10/14/20 Time: 07:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 15.18
16. Date and Time of Retrieval Date: 10/14/20 Time: 07:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 15.98
16. Date and Time of Retrieval Date: 10/14/20 Time: 07:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 15.98
16. Date and Time of Retrieval Date: 10/14/20 Time: 07:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 07:50
15. Depth to Ground Water Depth to ground water at time of deployment: 14.16
16. Date and Time of Retrieval Date: 10/14/20 Time: 07:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
68.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 07:50
15. Depth to Ground Water Depth to ground water at time of deployment: 14.16
16. Date and Time of Retrieval Date: 10/14/20 Time: 07:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 16:15
15. Depth to Ground Water Depth to ground water at time of deployment: 34.65
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 21.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 16:15
15. Depth to Ground Water Depth to ground water at time of deployment: 34.65
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 21.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-174
4. Well Permit Number: E201303564
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 28 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 11.94
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-174
4. Well Permit Number: E201303564
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 28 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 11.94
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 10.72
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 10.72
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 10.67
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 10.67
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 10.48
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 10.48
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 16.69
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 16.69
16. Date and Time of Retrieval Date: 10/15/20 Time: 13:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
94.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-204C
4. Well Permit Number: E201304823
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 76.5
10. Screened interval/open hole (fbgs) 56.5 - 76.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 15.74
16. Date and Time of Retrieval Date: 10/20/20 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-204C
4. Well Permit Number: E201304823
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 76.5
10. Screened interval/open hole (fbgs) 56.5 - 76.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 15.74
16. Date and Time of Retrieval Date: 10/20/20 Time: 08:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
63.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2
9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:35
15. Depth to Ground Water Depth to ground water at time of deployment: 3.84
16. Date and Time of Retrieval Date: 10/19/20 Time: 10:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2

9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/20 Time: 11:35
15. Depth to Ground Water Depth to ground water at time of deployment: 3.84
16. Date and Time of Retrieval Date: 10/19/20 Time: 10:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:47
15. Depth to Ground Water Depth to ground water at time of deployment: 3.48
16. Date and Time of Retrieval Date: 10/19/20 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
78.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 4.6/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:47
15. Depth to Ground Water Depth to ground water at time of deployment: 3.48
16. Date and Time of Retrieval Date: 10/19/20 Time: 10:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 4.6/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 6.31
16. Date and Time of Retrieval Date: 10/15/20 Time: 08:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 6.31
16. Date and Time of Retrieval Date: 10/15/20 Time: 08:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.49
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.49
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 8.49
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
63.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 9.65
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 3.92
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 15.0/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 3.92
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 15.0/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 4.42
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 15.0/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 4.42
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 15.0/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213B
4. Well Permit Number: E201311462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 29.47
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213B
4. Well Permit Number: E201311462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 29.47
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213C
4. Well Permit Number: E201311466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/30/20 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 30.96
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
78.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213C
4. Well Permit Number: E201311466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/30/20 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 30.96
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214A
4. Well Permit Number: E201311468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 20 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 09:05
15. Depth to Ground Water Depth to ground water at time of deployment: 20.34
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214A
4. Well Permit Number: E201311468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 20 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 09:05
15. Depth to Ground Water Depth to ground water at time of deployment: 20.34
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214B
4. Well Permit Number: E201312148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 19.85
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214B
4. Well Permit Number: E201312148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 19.85
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214C
4. Well Permit Number: E201311480
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 20.53
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
68.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214C
4. Well Permit Number: E201311480
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 20.53
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-215C
4. Well Permit Number: E201311204
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 9.64
16. Date and Time of Retrieval Date: 10/15/20 Time: 15:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
78.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 16.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-215C
4. Well Permit Number: E201311204
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 9.64
16. Date and Time of Retrieval Date: 10/15/20 Time: 15:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 16.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-216C
4. Well Permit Number: E201311207
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 11:50
15. Depth to Ground Water Depth to ground water at time of deployment: 21.51
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 17.3/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-216C
4. Well Permit Number: E201311207
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 11:50
15. Depth to Ground Water Depth to ground water at time of deployment: 21.51
16. Date and Time of Retrieval Date: 10/16/20 Time: 10:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 17.3/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222
4. Well Permit Number: E201313503
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/01/20 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 23.01
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222
4. Well Permit Number: E201313503
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/01/20 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 23.01
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 10.4/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222C
4. Well Permit Number: E201311482
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 257
10. Screened interval/open hole (fbgs) 247 - 257
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/01/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 31.23
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.49
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
255.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 10.4/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222C
4. Well Permit Number: E201311482
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 257
10. Screened interval/open hole (fbgs) 247 - 257
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/01/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 31.23
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.49
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
254			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 10.4/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-225B
4. Well Permit Number: E201310884
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 16:35
15. Depth to Ground Water Depth to ground water at time of deployment: 13.34
16. Date and Time of Retrieval Date: 10/19/20 Time: 15:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-02
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 10.4/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-225B
4. Well Permit Number: E201310884
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 16:35
15. Depth to Ground Water Depth to ground water at time of deployment: 13.34
16. Date and Time of Retrieval Date: 10/19/20 Time: 15:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-02
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 10.4/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-230C
4. Well Permit Number: E201315813
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 80.8
10. Screened interval/open hole (fbgs) 60.8 - 80.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 4.32
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-230C
4. Well Permit Number: E201315813
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 80.8
10. Screened interval/open hole (fbgs) 60.8 - 80.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/20 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 4.32
16. Date and Time of Retrieval Date: 10/19/20 Time: 09:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
68.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236B
4. Well Permit Number: E201312196
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 10.69
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 20.7/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236B
4. Well Permit Number: E201312196
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 10.69
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 20.7/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236C
4. Well Permit Number: E201312197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 10:25
15. Depth to Ground Water Depth to ground water at time of deployment: 11.8
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
56.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 20.7/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236C
4. Well Permit Number: E201312197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/30/20 Time: 10:25
15. Depth to Ground Water Depth to ground water at time of deployment: 11.8
16. Date and Time of Retrieval Date: 10/16/20 Time: 08:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 20.7/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/28/20 Time: 08:15
15. Depth to Ground Water Depth to ground water at time of deployment: 20.84
16. Date and Time of Retrieval Date: 10/13/20 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 8.1/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/28/20 Time: 08:15
15. Depth to Ground Water Depth to ground water at time of deployment: 20.96
16. Date and Time of Retrieval Date: 10/13/20 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 8.1/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/28/20 Time: 08:09
15. Depth to Ground Water Depth to ground water at time of deployment: 30.32
16. Date and Time of Retrieval Date: 10/13/20 Time: 07:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
113.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 08:09
15. Depth to Ground Water Depth to ground water at time of deployment: 30.32
16. Date and Time of Retrieval Date: 10/13/20 Time: 07:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-238C
4. Well Permit Number: E201312547
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 69.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 12.32
16. Date and Time of Retrieval Date: 10/20/20 Time: 07:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
78.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/25/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-238C
4. Well Permit Number: E201312547
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 69.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 12.32
16. Date and Time of Retrieval Date: 10/20/20 Time: 07:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/25/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 15:40
15. Depth to Ground Water Depth to ground water at time of deployment: 14.08
16. Date and Time of Retrieval Date: 10/16/20 Time: 11:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 15:40
15. Depth to Ground Water Depth to ground water at time of deployment: 14.08
16. Date and Time of Retrieval Date: 10/16/20 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 15:50
15. Depth to Ground Water Depth to ground water at time of deployment: 14.33
16. Date and Time of Retrieval Date: 10/16/20 Time: 11:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 15:50
15. Depth to Ground Water Depth to ground water at time of deployment: 14.33
16. Date and Time of Retrieval Date: 10/16/20 Time: 11:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 4.6/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258B
4. Well Permit Number: E201315392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 59 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 59.72
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 65.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
82.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 12.7/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 10.4/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258B
4. Well Permit Number: E201315392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 59 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 59.72
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 65.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 12.7/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258C
4. Well Permit Number: E201314458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 105 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 64.48
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:49
17. Depth to Ground Water Depth to ground water at time of retrieval: 63.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
108.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 12.7/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258C
4. Well Permit Number: E201314458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 105 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/30/20 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 64.48
16. Date and Time of Retrieval Date: 10/16/20 Time: 09:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 63.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
107			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 20.0 Wind: 12.7/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-259BR
4. Well Permit Number: E202010337
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/30/20 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 6.75
16. Date and Time of Retrieval Date: 11/13/20 Time: 10:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
39			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 16.1/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-259BR
4. Well Permit Number: E202010337
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/30/20 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 6.75
16. Date and Time of Retrieval Date: 11/13/20 Time: 10:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 16.1/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-259BR
4. Well Permit Number: E202010337
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/30/20 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 6.75
16. Date and Time of Retrieval Date: 11/13/20 Time: 10:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
44			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 16.1/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 60.76
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
63.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 60.76
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 65.24
16. Date and Time of Retrieval Date: 10/13/20 Time: 16:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 64.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
123.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 65.24
16. Date and Time of Retrieval Date: 10/13/20 Time: 16:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 64.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265B
4. Well Permit Number: E201318473
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/20 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 10.05
16. Date and Time of Retrieval Date: 10/13/20 Time: 09:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 8.1/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265B
4. Well Permit Number: E201318473
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/20 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 10.05
16. Date and Time of Retrieval Date: 10/13/20 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 8.1/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265C
4. Well Permit Number: E201403229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33

9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/28/20 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 14.89
16. Date and Time of Retrieval Date: 10/13/20 Time: 09:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265C
4. Well Permit Number: E201403229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33

9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/28/20 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 14.89
16. Date and Time of Retrieval Date: 10/13/20 Time: 09:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266A
4. Well Permit Number: E201318470
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 37.8
10. Screened interval/open hole (fbgs) 27.8 - 37.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 3.66
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266A
4. Well Permit Number: E201318470
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 37.8
10. Screened interval/open hole (fbgs) 27.8 - 37.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 3.66
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:27
15. Depth to Ground Water Depth to ground water at time of deployment: 4.18
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
63.45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:27
15. Depth to Ground Water Depth to ground water at time of deployment: 4.18
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.2			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 6.51
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
86.9			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 11.5/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 6.51
16. Date and Time of Retrieval Date: 10/14/20 Time: 14:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
88.35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267A
4. Well Permit Number: E201400817
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 56
10. Screened interval/open hole (fbgs) 46 - 56
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 16:50
15. Depth to Ground Water Depth to ground water at time of deployment: 27.37
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 27.54
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267A
4. Well Permit Number: E201400817
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 56
10. Screened interval/open hole (fbgs) 46 - 56
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 16:50
15. Depth to Ground Water Depth to ground water at time of deployment: 27.37
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 27.54
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267B
4. Well Permit Number: E201318590
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 105
10. Screened interval/open hole (fbgs) 95 - 105
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 16:40
15. Depth to Ground Water Depth to ground water at time of deployment: 31.04
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267B
4. Well Permit Number: E201318590
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 105
10. Screened interval/open hole (fbgs) 95 - 105
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 16:40
15. Depth to Ground Water Depth to ground water at time of deployment: 31.04
16. Date and Time of Retrieval Date: 10/16/20 Time: 07:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 53.55
16. Date and Time of Retrieval Date: 10/14/20 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
56.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 53.55
16. Date and Time of Retrieval Date: 10/14/20 Time: 11:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/28/20 Time: 14:33
15. Depth to Ground Water Depth to ground water at time of deployment: 53.96
16. Date and Time of Retrieval Date: 10/14/20 Time: 11:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:33
15. Depth to Ground Water Depth to ground water at time of deployment: 53.96
16. Date and Time of Retrieval Date: 10/14/20 Time: 11:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
123.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:17
15. Depth to Ground Water Depth to ground water at time of deployment: 58.56
16. Date and Time of Retrieval Date: 10/13/20 Time: 16:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.17
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 14:17
15. Depth to Ground Water Depth to ground water at time of deployment: 58.56
16. Date and Time of Retrieval Date: 10/13/20 Time: 16:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.17
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
61			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 42.46
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 42.46
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:48
15. Depth to Ground Water Depth to ground water at time of deployment: 51.06
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:48
15. Depth to Ground Water Depth to ground water at time of deployment: 51.06
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:53
15. Depth to Ground Water Depth to ground water at time of deployment: 54.2
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
128.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:53
15. Depth to Ground Water Depth to ground water at time of deployment: 54.2
16. Date and Time of Retrieval Date: 10/13/20 Time: 14:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273B
4. Well Permit Number: E201401462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 51.47
10. Screened interval/open hole (fbgs) 41.47 - 51.47
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 6.13
16. Date and Time of Retrieval Date: 10/19/20 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273B
4. Well Permit Number: E201401462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 51.47
10. Screened interval/open hole (fbgs) 41.47 - 51.47
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 6.13
16. Date and Time of Retrieval Date: 10/19/20 Time: 08:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273C
4. Well Permit Number: E201401463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 102.17
10. Screened interval/open hole (fbgs) 92.17 - 102.17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/20 Time: 08:28
15. Depth to Ground Water Depth to ground water at time of deployment: 5.8
16. Date and Time of Retrieval Date: 10/19/20 Time: 08:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
94.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273C
4. Well Permit Number: E201401463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 102.17
10. Screened interval/open hole (fbgs) 92.17 - 102.17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 08:28
15. Depth to Ground Water Depth to ground water at time of deployment: 5.8
16. Date and Time of Retrieval Date: 10/19/20 Time: 08:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274A
4. Well Permit Number: E201404620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 15:35
15. Depth to Ground Water Depth to ground water at time of deployment: 6.76
16. Date and Time of Retrieval Date: 10/19/20 Time: 11:49
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 9.2/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274A
4. Well Permit Number: E201404620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/02/20 Time: 15:35
15. Depth to Ground Water Depth to ground water at time of deployment: 6.76
16. Date and Time of Retrieval Date: 10/19/20 Time: 11:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274B
4. Well Permit Number: E201404621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 65
10. Screened interval/open hole (fbgs) 55 - 65
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 8.21
16. Date and Time of Retrieval Date: 10/19/20 Time: 11:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 10.4/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274B
4. Well Permit Number: E201404621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 65
10. Screened interval/open hole (fbgs) 55 - 65
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 8.21
16. Date and Time of Retrieval Date: 10/19/20 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 10.4/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274C
4. Well Permit Number: E201404622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:52
15. Depth to Ground Water Depth to ground water at time of deployment: 9.5
16. Date and Time of Retrieval Date: 10/19/20 Time: 12:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 10.4/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274C
4. Well Permit Number: E201404622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 12:52
15. Depth to Ground Water Depth to ground water at time of deployment: 9.5
16. Date and Time of Retrieval Date: 10/19/20 Time: 12:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 10.4/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Dz

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 5.68
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 5.68
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 16:00
15. Depth to Ground Water Depth to ground water at time of deployment: 21.71
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.58
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 16:00
15. Depth to Ground Water Depth to ground water at time of deployment: 21.71
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.58
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 16:15
15. Depth to Ground Water Depth to ground water at time of deployment: 39
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 38.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 16:15
15. Depth to Ground Water Depth to ground water at time of deployment: 39
16. Date and Time of Retrieval Date: 10/14/20 Time: 09:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 38.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 13.81
16. Date and Time of Retrieval Date: 10/20/20 Time: 08:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52

9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 13.81
16. Date and Time of Retrieval Date: 10/20/20 Time: 08:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295A
4. Well Permit Number: E201404289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.22
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 11:50
15. Depth to Ground Water Depth to ground water at time of deployment: 12.24
16. Date and Time of Retrieval Date: 10/19/20 Time: 12:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295A
4. Well Permit Number: E201404289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.22
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 11:50
15. Depth to Ground Water Depth to ground water at time of deployment: 12.24
16. Date and Time of Retrieval Date: 10/19/20 Time: 12:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Dz

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295C
4. Well Permit Number: E201511978
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.55
9. Total Well Depth (fbgs) 84.7
10. Screened interval/open hole (fbgs) 76.7 - 84.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 17.44
16. Date and Time of Retrieval Date: 10/19/20 Time: 12:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295C
4. Well Permit Number: E201511978
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.55
9. Total Well Depth (fbgs) 84.7
10. Screened interval/open hole (fbgs) 76.7 - 84.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 10/02/20 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 17.44
16. Date and Time of Retrieval Date: 10/19/20 Time: 12:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
80.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 10.42
16. Date and Time of Retrieval Date: 10/14/20 Time: 07:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/20 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 10.42
16. Date and Time of Retrieval Date: 10/14/20 Time: 08:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 5.8/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 7.43
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 7.43
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 7.37
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
53.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 10:51
15. Depth to Ground Water Depth to ground water at time of deployment: 7.37
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:25
15. Depth to Ground Water Depth to ground water at time of deployment: 6.43
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:25
15. Depth to Ground Water Depth to ground water at time of deployment: 6.43
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/20 Time: 11:15
15. Depth to Ground Water Depth to ground water at time of deployment: 7.43
16. Date and Time of Retrieval Date: 10/15/20 Time: 09:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 23.3 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 11:15
15. Depth to Ground Water Depth to ground water at time of deployment: 6.5
16. Date and Time of Retrieval Date: 10/15/20 Time: 10:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-351C
4. Well Permit Number: E201409431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 87.52
10. Screened interval/open hole (fbgs) 62.52 - 87.52
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/02/20 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 17.03
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.54
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
63.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-351C
4. Well Permit Number: E201409431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 87.52
10. Screened interval/open hole (fbgs) 62.52 - 87.52
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/02/20 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 17.03
16. Date and Time of Retrieval Date: 10/19/20 Time: 14:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.54
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 3.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/01/20 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 36.45
16. Date and Time of Retrieval Date: 10/15/20 Time: 11:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/01/20 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 36.45
16. Date and Time of Retrieval Date: 10/15/20 Time: 11:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/01/20 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 37.19
16. Date and Time of Retrieval Date: 10/15/20 Time: 11:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.8			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/01/20 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 37.19
16. Date and Time of Retrieval Date: 10/15/20 Time: 12:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45

9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 10/01/20 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 47.93
16. Date and Time of Retrieval Date: 10/15/20 Time: 12:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
125.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/01/20 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 47.93
16. Date and Time of Retrieval Date: 10/15/20 Time: 12:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-366B
4. Well Permit Number: E201412402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/02/20 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 11.43
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-366B
4. Well Permit Number: E201412402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/02/20 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 11.43
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373B
4. Well Permit Number: E201502842
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 15:45
15. Depth to Ground Water Depth to ground water at time of deployment: 42.44
16. Date and Time of Retrieval Date: 10/20/20 Time: 11:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
74			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 21.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373B
4. Well Permit Number: E201502842
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 15:45
15. Depth to Ground Water Depth to ground water at time of deployment: 42.44
16. Date and Time of Retrieval Date: 10/20/20 Time: 11:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 21.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 15:25
15. Depth to Ground Water Depth to ground water at time of deployment: 41.98
16. Date and Time of Retrieval Date: 10/20/20 Time: 11:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
116.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 21.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 15:25
15. Depth to Ground Water Depth to ground water at time of deployment: 41.98
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 21.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/28/20 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 34.32
16. Date and Time of Retrieval Date: 10/13/20 Time: 13:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/28/20 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 34.32
16. Date and Time of Retrieval Date: 10/13/20 Time: 13:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:06
15. Depth to Ground Water Depth to ground water at time of deployment: 37.81
16. Date and Time of Retrieval Date: 10/13/20 Time: 13:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 34.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
71.3			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:06
15. Depth to Ground Water Depth to ground water at time of deployment: 37.81
16. Date and Time of Retrieval Date: 10/13/20 Time: 13:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 34.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:11
15. Depth to Ground Water Depth to ground water at time of deployment: 46.21
16. Date and Time of Retrieval Date: 10/13/20 Time: 13:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
128.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 10.4/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 11:11
15. Depth to Ground Water Depth to ground water at time of deployment: 46.21
16. Date and Time of Retrieval Date: 10/13/20 Time: 13:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 10.4/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376B
4. Well Permit Number: E201414290
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 86
10. Screened interval/open hole (fbgs) 76 - 86
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 44.19
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
82.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376B
4. Well Permit Number: E201414290
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 86
10. Screened interval/open hole (fbgs) 76 - 86
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 44.19
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 13:23
15. Depth to Ground Water Depth to ground water at time of deployment: 54.96
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 54.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/20 Time: 13:23
15. Depth to Ground Water Depth to ground water at time of deployment: 54.96
16. Date and Time of Retrieval Date: 10/13/20 Time: 15:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 54.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
121.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 10.4/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 50.21
16. Date and Time of Retrieval Date: 10/20/20 Time: 10:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
88.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/01/20 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 50.21
16. Date and Time of Retrieval Date: 10/20/20 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 8.1/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 49.93
16. Date and Time of Retrieval Date: 10/20/20 Time: 11:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.09
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
111.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 9.2/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/01/20 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 49.93
16. Date and Time of Retrieval Date: 10/20/20 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.09
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-10-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
110.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 9.2/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-380A
4. Well Permit Number: E201415539
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 10/02/20 Time: 16:10
15. Depth to Ground Water Depth to ground water at time of deployment: 11.13
16. Date and Time of Retrieval Date: 10/19/20 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.76 Filled 2020-10-02
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☐ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-380A
4. Well Permit Number: E201415539
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 10/02/20 Time: 16:10
15. Depth to Ground Water Depth to ground water at time of deployment: 11.13
16. Date and Time of Retrieval Date: 10/19/20 Time: 13:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.76 Filled 2020-10-02

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☐ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 9.2
16. Date and Time of Retrieval Date: 10/14/20 Time: 15:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 9.2
16. Date and Time of Retrieval Date: 10/14/20 Time: 15:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 9.76
16. Date and Time of Retrieval Date: 10/14/20 Time: 15:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/30/20 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 9.76
16. Date and Time of Retrieval Date: 10/14/20 Time: 15:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416C
4. Well Permit Number: E201501192
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 115
10. Screened interval/open hole (fbgs) 105 - 115
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 9.2
16. Date and Time of Retrieval Date: 10/14/20 Time: 15:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
106.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416C
4. Well Permit Number: E201501192
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 115
10. Screened interval/open hole (fbgs) 105 - 115
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/30/20 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 14.15
16. Date and Time of Retrieval Date: 10/14/20 Time: 15:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
105.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 11.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-453C2
4. Well Permit Number: E201509739
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 90 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 14.17
16. Date and Time of Retrieval Date: 10/20/20 Time: 13:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
99			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-453C2
4. Well Permit Number: E201509739
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 90 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 14.17
16. Date and Time of Retrieval Date: 10/20/20 Time: 13:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-457C1
4. Well Permit Number: E201509602
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 09:25
15. Depth to Ground Water Depth to ground water at time of deployment: 11.52
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-457C1
4. Well Permit Number: E201509602
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 09:25
15. Depth to Ground Water Depth to ground water at time of deployment: 11.52
16. Date and Time of Retrieval Date: 10/20/20 Time: 12:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 5.8/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 7.71
16. Date and Time of Retrieval Date: 10/15/20 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 7.71
16. Date and Time of Retrieval Date: 10/15/20 Time: 08:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 8.36
16. Date and Time of Retrieval Date: 10/15/20 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
74			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/20 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 8.36
16. Date and Time of Retrieval Date: 10/15/20 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 4.6/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-495B
4. Well Permit Number: E201514806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -1.05
9. Total Well Depth (fbgs) 50.5
10. Screened interval/open hole (fbgs) 40.5 - 50.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 11.15
16. Date and Time of Retrieval Date: 10/20/20 Time: 10:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-495B
4. Well Permit Number: E201514806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -1.05
9. Total Well Depth (fbgs) 50.5
10. Screened interval/open hole (fbgs) 40.5 - 50.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 11.15
16. Date and Time of Retrieval Date: 10/20/20 Time: 10:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-503C
4. Well Permit Number: E201701479
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 80.5
10. Screened interval/open hole (fbgs) 60.5 - 80.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 12.23
16. Date and Time of Retrieval Date: 10/20/20 Time: 10:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-503C
4. Well Permit Number: E201701479
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 80.5
10. Screened interval/open hole (fbgs) 60.5 - 80.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 10/02/20 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 12.23
16. Date and Time of Retrieval Date: 10/20/20 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2020-09-30
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
71.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 11.5/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DZ

Attachment 5

Groundwater Sampling Sheets – 1Q 2021 and 3Q 2021

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 66RI-MW4
4. Well Permit Number: E201304931
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 15.4
10. Screened interval/open hole (fbgs) 8.4 - 15.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/08/21 Time: 10:09
15. Depth to Ground Water Depth to ground water at time of deployment: 11.66
16. Date and Time of Retrieval Date: 03/22/21 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -1.1 Wind: 4.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 66RI-MW4
4. Well Permit Number: E201304931
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 15.4
10. Screened interval/open hole (fbgs) 8.4 - 15.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/08/21 Time: 10:09
15. Depth to Ground Water Depth to ground water at time of deployment: 11.66
16. Date and Time of Retrieval Date: 03/22/21 Time: 11:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -1.1 Wind: 4.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 131RI-MW1
4. Well Permit Number: E201306020
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 15.8
10. Screened interval/open hole (fbgs) 7.8 - 15.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/08/21 Time: 10:27
15. Depth to Ground Water Depth to ground water at time of deployment: 13.17
16. Date and Time of Retrieval Date: 03/22/21 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.26
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 131RI-MW1
4. Well Permit Number: E201306020
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 15.8
10. Screened interval/open hole (fbgs) 7.8 - 15.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/08/21 Time: 10:27
15. Depth to Ground Water Depth to ground water at time of deployment: 13.17
16. Date and Time of Retrieval Date: 03/22/21 Time: 11:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.26
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 138RI-MW1R
4. Well Permit Number: E202010338
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 32
10. Screened interval/open hole (fbgs) 22 - 32
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/08/21 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 6.7
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 138RI-MW1R
4. Well Permit Number: E202010338
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 32
10. Screened interval/open hole (fbgs) 22 - 32
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/08/21 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 6.7
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 187RI-MW2
4. Well Permit Number: E201305798
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 2 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 09:48
15. Depth to Ground Water Depth to ground water at time of deployment: 4.91
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 187RI-MW2
4. Well Permit Number: E201305798
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 2 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 09:48
15. Depth to Ground Water Depth to ground water at time of deployment: 4.91
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.45			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: ART-MW-6BR
4. Well Permit Number: E201501062
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.21
9. Total Well Depth (fbgs) 42.5
10. Screened interval/open hole (fbgs) 27.5 - 42.5
11. Well Casing: Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 12.14
16. Date and Time of Retrieval Date: 04/07/21 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Nylon
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: ART-MW-6BR
4. Well Permit Number: E201501062
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.21
9. Total Well Depth (fbgs) 42.5
10. Screened interval/open hole (fbgs) 27.5 - 42.5
11. Well Casing: Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 12.14
16. Date and Time of Retrieval Date: 04/07/21 Time: 13:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Nylon
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 09:22
15. Depth to Ground Water Depth to ground water at time of deployment: 58.01
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.92
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
133.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -1.1 Wind: 4.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 09:22
15. Depth to Ground Water Depth to ground water at time of deployment: 58.01
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.92
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
133.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -1.1 Wind: 4.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 60.56
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 61.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
277.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -1.1 Wind: 4.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 60.56
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 61.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
277.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -1.1 Wind: 4.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3B
4. Well Permit Number: E201218158
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 122
10. Screened interval/open hole (fbgs) 112 - 122
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 46.91
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
114.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3B
4. Well Permit Number: E201218158
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 122
10. Screened interval/open hole (fbgs) 112 - 122
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 46.91
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
114.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 79.85
16. Date and Time of Retrieval Date: 03/29/21 Time: 07:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 80.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 79.85
16. Date and Time of Retrieval Date: 03/29/21 Time: 07:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 80.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4C
4. Well Permit Number: E201306325
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45

9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 117 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/23/21 Time: 12:37
15. Depth to Ground Water Depth to ground water at time of deployment: 40.61
16. Date and Time of Retrieval Date: 04/07/21 Time: 10:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4C
4. Well Permit Number: E201306325
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45

9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 117 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/23/21 Time: 12:37
15. Depth to Ground Water Depth to ground water at time of deployment: 40.61
16. Date and Time of Retrieval Date: 04/07/21 Time: 10:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4D
4. Well Permit Number: E201306324
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 12:25
15. Depth to Ground Water Depth to ground water at time of deployment: 26
16. Date and Time of Retrieval Date: 04/07/21 Time: 09:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.84
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4D
4. Well Permit Number: E201306324
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 12:25
15. Depth to Ground Water Depth to ground water at time of deployment: 26
16. Date and Time of Retrieval Date: 04/07/21 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.84
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6B
4. Well Permit Number: E201218159
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55

9. Total Well Depth (fbgs) 114.6
10. Screened interval/open hole (fbgs) 104.6 - 114.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/22/21 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 20.6
16. Date and Time of Retrieval Date: 04/06/21 Time: 09:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6B
4. Well Permit Number: E201218159
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 114.6
10. Screened interval/open hole (fbgs) 104.6 - 114.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 20.6
16. Date and Time of Retrieval Date: 04/06/21 Time: 09:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6C
4. Well Permit Number: E201218160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.6
9. Total Well Depth (fbgs) 291
10. Screened interval/open hole (fbgs) 281 - 291
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 20.79
16. Date and Time of Retrieval Date: 04/06/21 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.73
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
288.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6C
4. Well Permit Number: E201218160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.6
9. Total Well Depth (fbgs) 291
10. Screened interval/open hole (fbgs) 281 - 291
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 20.79
16. Date and Time of Retrieval Date: 04/06/21 Time: 09:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.73
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
288.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6D
4. Well Permit Number: E201301046
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 497.9
10. Screened interval/open hole (fbgs) 472.9 - 497.9
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.24
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
495.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6D
4. Well Permit Number: E201301046
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39

9. Total Well Depth (fbgs) 497.9
10. Screened interval/open hole (fbgs) 472.9 - 497.9
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/22/21 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.24
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
495.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 08:17
15. Depth to Ground Water Depth to ground water at time of deployment: 18.4
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 07:59
15. Depth to Ground Water Depth to ground water at time of deployment: 18.4
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 07:51
15. Depth to Ground Water Depth to ground water at time of deployment: 20.25
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.28
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 07:51
15. Depth to Ground Water Depth to ground water at time of deployment: 20.25
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.28
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 07:40
15. Depth to Ground Water Depth to ground water at time of deployment: 24.69
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.83
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
342.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.0 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 07:40
15. Depth to Ground Water Depth to ground water at time of deployment: 24.69
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.83
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
342.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.0 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 22.04
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.11
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 22.04
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.11
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 17.41
16. Date and Time of Retrieval Date: 03/23/21 Time: 07:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
117.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 17.41
16. Date and Time of Retrieval Date: 03/23/21 Time: 07:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 16:00
15. Depth to Ground Water Depth to ground water at time of deployment: 22.72
16. Date and Time of Retrieval Date: 03/22/21 Time: 16:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.74
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
188.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 16:00
15. Depth to Ground Water Depth to ground water at time of deployment: 22.72
16. Date and Time of Retrieval Date: 03/22/21 Time: 16:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.74
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
189.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8C
4. Well Permit Number: E201217463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.5
9. Total Well Depth (fbgs) 307
10. Screened interval/open hole (fbgs) 297 - 307
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 15:35
15. Depth to Ground Water Depth to ground water at time of deployment: 23.3
16. Date and Time of Retrieval Date: 03/22/21 Time: 15:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.57
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
304.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8C
4. Well Permit Number: E201217463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.5

9. Total Well Depth (fbgs) 307
10. Screened interval/open hole (fbgs) 297 - 307
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/08/21 Time: 15:35
15. Depth to Ground Water Depth to ground water at time of deployment: 23.3
16. Date and Time of Retrieval Date: 03/22/21 Time: 15:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.57
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
303.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 6.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-9A
4. Well Permit Number: E201217454
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 95.1
10. Screened interval/open hole (fbgs) 85.1 - 95.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 18.55
16. Date and Time of Retrieval Date: 04/06/21 Time: 11:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.5
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-9A
4. Well Permit Number: E201217454
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 95.1
10. Screened interval/open hole (fbgs) 85.1 - 95.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 18.55
16. Date and Time of Retrieval Date: 04/06/21 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.5
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11B
4. Well Permit Number: E201300242
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 7.62
16. Date and Time of Retrieval Date: 04/07/21 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.22
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11B
4. Well Permit Number: E201300242
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 7.62
16. Date and Time of Retrieval Date: 04/07/21 Time: 09:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.22
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11D
4. Well Permit Number: E201300243
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/24/21 Time: 11:57
15. Depth to Ground Water Depth to ground water at time of deployment: 8.41
16. Date and Time of Retrieval Date: 04/08/21 Time: 10:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11D
4. Well Permit Number: E201300243
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 11:57
15. Depth to Ground Water Depth to ground water at time of deployment: 8.41
16. Date and Time of Retrieval Date: 04/08/21 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12A
4. Well Permit Number: E201300227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 134
10. Screened interval/open hole (fbgs) 124 - 134
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 16.98
16. Date and Time of Retrieval Date: 04/07/21 Time: 11:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.01
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
131.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 10.4/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12A
4. Well Permit Number: E201300227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 134
10. Screened interval/open hole (fbgs) 124 - 134
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 16.98
16. Date and Time of Retrieval Date: 04/07/21 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.01
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
131.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 10.4/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12B
4. Well Permit Number: E201300228
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 181 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 23.53
16. Date and Time of Retrieval Date: 04/07/21 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.54
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
183.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/23/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 10.4/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12B
4. Well Permit Number: E201300228
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 181 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 23.53
16. Date and Time of Retrieval Date: 04/07/21 Time: 11:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.54
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
183.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/23/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 10.4/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12CR
4. Well Permit Number: E201412451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 520.1
10. Screened interval/open hole (fbgs) 495.1 - 520.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 24.1
16. Date and Time of Retrieval Date: 04/07/21 Time: 12:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.73
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
517.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 10.4/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12CR
4. Well Permit Number: E201412451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 520.1
10. Screened interval/open hole (fbgs) 495.1 - 520.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 24.1
16. Date and Time of Retrieval Date: 04/07/21 Time: 12:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.73
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
517.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 10.4/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:46
15. Depth to Ground Water Depth to ground water at time of deployment: 11.88
16. Date and Time of Retrieval Date: 03/25/21 Time: 15:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.97
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
242.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:46
15. Depth to Ground Water Depth to ground water at time of deployment: 11.88
16. Date and Time of Retrieval Date: 03/25/21 Time: 15:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.97
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
241.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16A
4. Well Permit Number: E201300231
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.95
9. Total Well Depth (fbgs) 218.1
10. Screened interval/open hole (fbgs) 208.1 - 218.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 15.55
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.81
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16A
4. Well Permit Number: E201300231
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.95
9. Total Well Depth (fbgs) 218.1
10. Screened interval/open hole (fbgs) 208.1 - 218.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 15.55
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.81
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
216.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16B
4. Well Permit Number: E201300232
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.17
9. Total Well Depth (fbgs) 298.4
10. Screened interval/open hole (fbgs) 288.4 - 298.4
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:40
15. Depth to Ground Water Depth to ground water at time of deployment: 17.37
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
293.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16B
4. Well Permit Number: E201300232
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.17
9. Total Well Depth (fbgs) 298.4
10. Screened interval/open hole (fbgs) 288.4 - 298.4
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:40
15. Depth to Ground Water Depth to ground water at time of deployment: 17.37
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
294.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16C
4. Well Permit Number: E201301078
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 444.4
10. Screened interval/open hole (fbgs) 419.4 - 444.4
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:10
15. Depth to Ground Water Depth to ground water at time of deployment: 31.14
16. Date and Time of Retrieval Date: 03/22/21 Time: 12:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
431.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16C
4. Well Permit Number: E201301078
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 444.4
10. Screened interval/open hole (fbgs) 419.4 - 444.4
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:10
15. Depth to Ground Water Depth to ground water at time of deployment: 31.14
16. Date and Time of Retrieval Date: 03/22/21 Time: 12:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
434.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 5.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 14.4
16. Date and Time of Retrieval Date: 03/29/21 Time: 07:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
117.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 14.4
16. Date and Time of Retrieval Date: 03/29/21 Time: 07:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
116.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-24
4. Well Permit Number: E201314457
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 175
10. Screened interval/open hole (fbgs) 150 - 175
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 11:11
15. Depth to Ground Water Depth to ground water at time of deployment: 69.22
16. Date and Time of Retrieval Date: 04/07/21 Time: 15:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 69.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-24
4. Well Permit Number: E201314457
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 175
10. Screened interval/open hole (fbgs) 150 - 175
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 11:11
15. Depth to Ground Water Depth to ground water at time of deployment: 69.22
16. Date and Time of Retrieval Date: 04/07/21 Time: 15:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 69.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27B
4. Well Permit Number: E201315239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 299.8
10. Screened interval/open hole (fbgs) 274.8 - 299.8
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 14:27
15. Depth to Ground Water Depth to ground water at time of deployment: 22.63
16. Date and Time of Retrieval Date: 03/25/21 Time: 12:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.76
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
291.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27B
4. Well Permit Number: E201315239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 299.8
10. Screened interval/open hole (fbgs) 274.8 - 299.8
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 14:27
15. Depth to Ground Water Depth to ground water at time of deployment: 22.63
16. Date and Time of Retrieval Date: 03/25/21 Time: 12:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.76
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27C
4. Well Permit Number: E201402655
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 425
10. Screened interval/open hole (fbgs) 400 - 425
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 14:13
15. Depth to Ground Water Depth to ground water at time of deployment: 24.6
16. Date and Time of Retrieval Date: 03/25/21 Time: 11:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.56
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
421.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27C
4. Well Permit Number: E201402655
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 425
10. Screened interval/open hole (fbgs) 400 - 425
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 14:13
15. Depth to Ground Water Depth to ground water at time of deployment: 24.6
16. Date and Time of Retrieval Date: 03/25/21 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.56
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
422.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 11:02
15. Depth to Ground Water Depth to ground water at time of deployment: 50.05
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.21
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
181.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 50.05
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.21
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
181.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 57.9
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.61
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
308.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 57.9
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.61
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
308.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:55
15. Depth to Ground Water Depth to ground water at time of deployment: 38.22
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.21
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:55
15. Depth to Ground Water Depth to ground water at time of deployment: 38.22
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.21
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 40
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.49
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
439.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 40
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.49
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
439.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 09:29
15. Depth to Ground Water Depth to ground water at time of deployment: 19.61
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
257.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 19.61
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
257.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 305.98
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 303.88
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
437.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 305.98
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 303.88
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
437.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32A
4. Well Permit Number: E201318587
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 164
10. Screened interval/open hole (fbgs) 154 - 164
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 13.75
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.86
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
156.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32A
4. Well Permit Number: E201318587
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 164
10. Screened interval/open hole (fbgs) 154 - 164
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 13.75
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.86
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
156.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32B
4. Well Permit Number: E201315585
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 301.1
10. Screened interval/open hole (fbgs) 276.1 - 301.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:44
15. Depth to Ground Water Depth to ground water at time of deployment: 22.24
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.34
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
298.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32B
4. Well Permit Number: E201315585
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 301.1
10. Screened interval/open hole (fbgs) 276.1 - 301.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:44
15. Depth to Ground Water Depth to ground water at time of deployment: 22.24
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.34
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
298.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33A
4. Well Permit Number: E201401464
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 161.26
10. Screened interval/open hole (fbgs) 151.26 - 161.26
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.41
16. Date and Time of Retrieval Date: 03/25/21 Time: 07:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.46
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
152.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.8 Wind: 5.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 3.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33A
4. Well Permit Number: E201401464
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 161.26
10. Screened interval/open hole (fbgs) 151.26 - 161.26
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.41
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.46
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
151.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.8 Wind: 5.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 3.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33B
4. Well Permit Number: E201318598
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 280.27
10. Screened interval/open hole (fbgs) 270.27 - 280.27
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:17
15. Depth to Ground Water Depth to ground water at time of deployment: 18.09
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.34
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
276.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.8 Wind: 5.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33B
4. Well Permit Number: E201318598
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 280.27
10. Screened interval/open hole (fbgs) 270.27 - 280.27
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:17
15. Depth to Ground Water Depth to ground water at time of deployment: 18.09
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.34
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
275.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.8 Wind: 5.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33C
4. Well Permit Number: E201402654
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 426.16
10. Screened interval/open hole (fbgs) 401.16 - 426.16
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:47
15. Depth to Ground Water Depth to ground water at time of deployment: 16.23
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.57
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
417.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33C
4. Well Permit Number: E201402654
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 426.16
10. Screened interval/open hole (fbgs) 401.16 - 426.16
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:47
15. Depth to Ground Water Depth to ground water at time of deployment: 16.23
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.57
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
416.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-34B
4. Well Permit Number: E201315235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 07:40
15. Depth to Ground Water Depth to ground water at time of deployment: 43.57
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.77
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
286.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-34B
4. Well Permit Number: E201315235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 07:40
15. Depth to Ground Water Depth to ground water at time of deployment: 43.57
16. Date and Time of Retrieval Date: 03/26/21 Time: 07:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.77
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 55.73
16. Date and Time of Retrieval Date: 03/29/21 Time: 11:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.55
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 5.8/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 13.8/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 55.73
16. Date and Time of Retrieval Date: 03/29/21 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.55
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 5.8/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 13.8/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 51.66
16. Date and Time of Retrieval Date: 03/29/21 Time: 10:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.12
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
178.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 51.66
16. Date and Time of Retrieval Date: 03/29/21 Time: 10:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.12
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
178.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 81.91
16. Date and Time of Retrieval Date: 03/29/21 Time: 10:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 81.99
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
249.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 26.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 81.91
16. Date and Time of Retrieval Date: 03/29/21 Time: 10:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 81.99
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
249.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 26.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 58.12
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.47
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 58.12
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.47
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
293.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 14:18
15. Depth to Ground Water Depth to ground water at time of deployment: 50.75
16. Date and Time of Retrieval Date: 03/29/21 Time: 12:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.34
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
493.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 14:18
15. Depth to Ground Water Depth to ground water at time of deployment: 50.75
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.34
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
492.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 12:15
15. Depth to Ground Water Depth to ground water at time of deployment: 6.47
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.99
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
138.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 12:15
15. Depth to Ground Water Depth to ground water at time of deployment: 6.47
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.99
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
138.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 12:02
15. Depth to Ground Water Depth to ground water at time of deployment: 9.18
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.01
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
247.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 12:02
15. Depth to Ground Water Depth to ground water at time of deployment: 9.18
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.01
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
246.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:51
15. Depth to Ground Water Depth to ground water at time of deployment: 2.39
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
397.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:51
15. Depth to Ground Water Depth to ground water at time of deployment: 2.39
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
396.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-41C
4. Well Permit Number: E201407799
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 450.1
10. Screened interval/open hole (fbgs) 425.1 - 450.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 22.34
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.15
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-41C
4. Well Permit Number: E201407799
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 450.1
10. Screened interval/open hole (fbgs) 425.1 - 450.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 22.34
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.15
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 16.7
16. Date and Time of Retrieval Date: 04/06/21 Time: 13:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.67
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 16.7
16. Date and Time of Retrieval Date: 04/06/21 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.67
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-52A
4. Well Permit Number: E201413312
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 115 - 130
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 13:03
15. Depth to Ground Water Depth to ground water at time of deployment: 9.11
16. Date and Time of Retrieval Date: 04/08/21 Time: 14:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 13.8/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-52A
4. Well Permit Number: E201413312
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 115 - 130
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 13:03
15. Depth to Ground Water Depth to ground water at time of deployment: 9.11
16. Date and Time of Retrieval Date: 04/08/21 Time: 14:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 13.8/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 14:28
15. Depth to Ground Water Depth to ground water at time of deployment: 40.48
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.54
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 40.48
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.54
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-64A
4. Well Permit Number: E201500412
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 235 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 49.95
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
237.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-64A
4. Well Permit Number: E201500412
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 235 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 49.95
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
237.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67B
4. Well Permit Number: E201509857
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 274.9
10. Screened interval/open hole (fbgs) 264.9 - 274.9
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 25.38
16. Date and Time of Retrieval Date: 04/06/21 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
270.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 3.5/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67B
4. Well Permit Number: E201509857
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 274.9
10. Screened interval/open hole (fbgs) 264.9 - 274.9
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 25.38
16. Date and Time of Retrieval Date: 04/06/21 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
270.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 3.5/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 11:35
15. Depth to Ground Water Depth to ground water at time of deployment: 20.69
16. Date and Time of Retrieval Date: 04/07/21 Time: 09:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
203.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 8.1/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 11:35
15. Depth to Ground Water Depth to ground water at time of deployment: 20.69
16. Date and Time of Retrieval Date: 04/07/21 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
203.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 8.1/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-157C2
4. Well Permit Number: E201509285
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 105.1
10. Screened interval/open hole (fbgs) 80.1 - 105.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/24/21 Time: 12:46
15. Depth to Ground Water Depth to ground water at time of deployment: 9.35
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-157C2
4. Well Permit Number: E201509285
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 105.1
10. Screened interval/open hole (fbgs) 80.1 - 105.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/24/21 Time: 12:46
15. Depth to Ground Water Depth to ground water at time of deployment: 9.35
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168B
4. Well Permit Number: E201507919
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 56.7
10. Screened interval/open hole (fbgs) 31.7 - 56.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 08:15
15. Depth to Ground Water Depth to ground water at time of deployment: 9.16
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.13
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168B
4. Well Permit Number: E201507919
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 56.7
10. Screened interval/open hole (fbgs) 31.7 - 56.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 08:15
15. Depth to Ground Water Depth to ground water at time of deployment: 9.16
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.13
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C1
4. Well Permit Number: E201507920
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 81.8
10. Screened interval/open hole (fbgs) 56.8 - 81.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.34
16. Date and Time of Retrieval Date: 03/26/21 Time: 10:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
68.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C1
4. Well Permit Number: E201507920
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 81.8
10. Screened interval/open hole (fbgs) 56.8 - 81.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.34
16. Date and Time of Retrieval Date: 03/26/21 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
69.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C2
4. Well Permit Number: E201507921
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 106.9
10. Screened interval/open hole (fbgs) 81.9 - 106.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 07:40
15. Depth to Ground Water Depth to ground water at time of deployment: 9.3
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C2
4. Well Permit Number: E201507921
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 106.9
10. Screened interval/open hole (fbgs) 81.9 - 106.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 07:40
15. Depth to Ground Water Depth to ground water at time of deployment: 9.3
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
94.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-197A
4. Well Permit Number: E201903466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 29.3
10. Screened interval/open hole (fbgs) 23.3 - 28.3
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 13:48
15. Depth to Ground Water Depth to ground water at time of deployment: 8.18
16. Date and Time of Retrieval Date: 04/08/21 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-197A
4. Well Permit Number: E201903466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 29.3
10. Screened interval/open hole (fbgs) 23.3 - 28.3
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 13:48
15. Depth to Ground Water Depth to ground water at time of deployment: 8.18
16. Date and Time of Retrieval Date: 04/08/21 Time: 11:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-199B
4. Well Permit Number: E201903468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 43.6
10. Screened interval/open hole (fbgs) 27.6 - 42.6
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/24/21 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 8.95
16. Date and Time of Retrieval Date: 04/08/21 Time: 11:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-199B
4. Well Permit Number: E201903468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 43.6
10. Screened interval/open hole (fbgs) 27.6 - 42.6
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/24/21 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 8.95
16. Date and Time of Retrieval Date: 04/08/21 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 08:08
15. Depth to Ground Water Depth to ground water at time of deployment: 4.96
16. Date and Time of Retrieval Date: 03/24/21 Time: 08:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 08:08
15. Depth to Ground Water Depth to ground water at time of deployment: 4.96
16. Date and Time of Retrieval Date: 03/24/21 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2G
4. Well Permit Number: E201216676
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 4 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 2.31
16. Date and Time of Retrieval Date: 03/24/21 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.3
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2G
4. Well Permit Number: E201216676
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 4 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 2.31
16. Date and Time of Retrieval Date: 03/24/21 Time: 08:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.3
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-15A
4. Well Permit Number: 2600051888
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.09
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 7.51
16. Date and Time of Retrieval Date: 04/06/21 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/26/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-15A
4. Well Permit Number: 2600051888
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.09
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 7.51
16. Date and Time of Retrieval Date: 04/06/21 Time: 13:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/26/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-16
4. Well Permit Number: 2600012044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.19
9. Total Well Depth (fbgs) 13.8
10. Screened interval/open hole (fbgs) 3.8 - 13.8
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 2.79
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.48
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 20.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-16
4. Well Permit Number: 2600012044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.19
9. Total Well Depth (fbgs) 13.8
10. Screened interval/open hole (fbgs) 3.8 - 13.8
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 2.79
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:29
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.48
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 20.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-22A
4. Well Permit Number: 2600051883
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 44.2
10. Screened interval/open hole (fbgs) 24.2 - 44.2
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/24/21 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 7.7
16. Date and Time of Retrieval Date: 04/08/21 Time: 10:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-22A
4. Well Permit Number: 2600051883
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 44.2
10. Screened interval/open hole (fbgs) 24.2 - 44.2
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/24/21 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 7.7
16. Date and Time of Retrieval Date: 04/08/21 Time: 10:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24
4. Well Permit Number: 2600036932
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -5.7
9. Total Well Depth (fbgs) 41.7
10. Screened interval/open hole (fbgs) 31.7 - 41.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/09/21 Time: 08:28
15. Depth to Ground Water Depth to ground water at time of deployment: 10.07
16. Date and Time of Retrieval Date: 03/23/21 Time: 08:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 3.5/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24
4. Well Permit Number: 2600036932
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -5.7
9. Total Well Depth (fbgs) 41.7
10. Screened interval/open hole (fbgs) 31.7 - 41.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/09/21 Time: 08:39
15. Depth to Ground Water Depth to ground water at time of deployment: 10.07
16. Date and Time of Retrieval Date: 03/23/21 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 3.5/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24C
4. Well Permit Number: E201316485
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 49.4
10. Screened interval/open hole (fbgs) 29.4 - 49.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 13:45
15. Depth to Ground Water Depth to ground water at time of deployment: 15.24
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/19/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 16.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 20.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24C
4. Well Permit Number: E201316485
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 49.4
10. Screened interval/open hole (fbgs) 29.4 - 49.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 13:45
15. Depth to Ground Water Depth to ground water at time of deployment: 15.24
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/19/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 16.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 11.5/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.06
16. Date and Time of Retrieval Date: 03/25/21 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.06
16. Date and Time of Retrieval Date: 03/25/21 Time: 13:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
21.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 7.23
16. Date and Time of Retrieval Date: 03/25/21 Time: 12:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.8
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 7.23
16. Date and Time of Retrieval Date: 03/25/21 Time: 12:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.8
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 8.1/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44B
4. Well Permit Number: E201304514
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45.1
10. Screened interval/open hole (fbgs) 35.1 - 45.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.63
16. Date and Time of Retrieval Date: 03/25/21 Time: 12:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44B
4. Well Permit Number: E201304514
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45.1
10. Screened interval/open hole (fbgs) 35.1 - 45.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.63
16. Date and Time of Retrieval Date: 03/25/21 Time: 12:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44C
4. Well Permit Number: E201302491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 81.3
10. Screened interval/open hole (fbgs) 61.3 - 81.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 14:52
15. Depth to Ground Water Depth to ground water at time of deployment: 16.85
16. Date and Time of Retrieval Date: 03/25/21 Time: 12:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44C
4. Well Permit Number: E201302491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 81.3
10. Screened interval/open hole (fbgs) 61.3 - 81.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 14:52
15. Depth to Ground Water Depth to ground water at time of deployment: 16.85
16. Date and Time of Retrieval Date: 03/25/21 Time: 12:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 46.8
16. Date and Time of Retrieval Date: 03/29/21 Time: 09:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.02
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 26.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 46.8
16. Date and Time of Retrieval Date: 03/29/21 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.02
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-58
4. Well Permit Number: 2600068227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 36
10. Screened interval/open hole (fbgs) 21 - 36
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:06
15. Depth to Ground Water Depth to ground water at time of deployment: 16.6
16. Date and Time of Retrieval Date: 03/26/21 Time: 07:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-58
4. Well Permit Number: 2600068227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 36
10. Screened interval/open hole (fbgs) 21 - 36
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:06
15. Depth to Ground Water Depth to ground water at time of deployment: 16.6
16. Date and Time of Retrieval Date: 03/26/21 Time: 07:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-80C
4. Well Permit Number: E201316488
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.32
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 9.94
16. Date and Time of Retrieval Date: 03/23/21 Time: 08:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-80C
4. Well Permit Number: E201316488
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.32
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 9.94
16. Date and Time of Retrieval Date: 03/23/21 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-102
4. Well Permit Number: P200804386
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 12:55
15. Depth to Ground Water Depth to ground water at time of deployment: 7.55
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.54
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.85			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-102
4. Well Permit Number: P200804386
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 12:55
15. Depth to Ground Water Depth to ground water at time of deployment: 7.55
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.54
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.85			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/22/21 Time: 13:24
15. Depth to Ground Water Depth to ground water at time of deployment: 3.7
16. Date and Time of Retrieval Date: 04/06/21 Time: 13:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.85			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 03/22/21 Time: 13:24
15. Depth to Ground Water Depth to ground water at time of deployment: 3.7
16. Date and Time of Retrieval Date: 04/06/21 Time: 13:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.85			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 10:18
15. Depth to Ground Water Depth to ground water at time of deployment: 2.05
16. Date and Time of Retrieval Date: 04/08/21 Time: 11:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.12
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 10:18
15. Depth to Ground Water Depth to ground water at time of deployment: 2.05
16. Date and Time of Retrieval Date: 04/08/21 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.12
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 03/24/21 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 1.76
16. Date and Time of Retrieval Date: 04/08/21 Time: 11:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.18
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/24/21 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 1.76
16. Date and Time of Retrieval Date: 04/08/21 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.18
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 4.68
16. Date and Time of Retrieval Date: 04/06/21 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 4.68
16. Date and Time of Retrieval Date: 04/06/21 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 03/22/21 Time: 10:37
15. Depth to Ground Water Depth to ground water at time of deployment: 0.22
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.95			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 03/22/21 Time: 10:37
15. Depth to Ground Water Depth to ground water at time of deployment: 0.22
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.95			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-112A
4. Well Permit Number: E201412398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 10:18
15. Depth to Ground Water Depth to ground water at time of deployment: 4.95
16. Date and Time of Retrieval Date: 03/29/21 Time: 09:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 26.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-112A
4. Well Permit Number: E201412398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/10/21 Time: 10:18
15. Depth to Ground Water Depth to ground water at time of deployment: 4.95
16. Date and Time of Retrieval Date: 03/29/21 Time: 10:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 26.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/08/21 Time: 08:58
15. Depth to Ground Water Depth to ground water at time of deployment: 42.19
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.15			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/08/21 Time: 08:58
15. Depth to Ground Water Depth to ground water at time of deployment: 42.19
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-03-08
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 71.8
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 42.83
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-03-08
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.05
16. Date and Time of Retrieval Date: 04/08/21 Time: 11:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 71.25
16. Date and Time of Retrieval Date: 04/08/21 Time: 11:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 45.12
16. Date and Time of Retrieval Date: 03/29/21 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 46.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 45.12
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 46.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 09:28
15. Depth to Ground Water Depth to ground water at time of deployment: 19.38
16. Date and Time of Retrieval Date: 03/29/21 Time: 09:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 26.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 09:28
15. Depth to Ground Water Depth to ground water at time of deployment: 19.38
16. Date and Time of Retrieval Date: 03/29/21 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 26.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 03/10/21 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 22.12
16. Date and Time of Retrieval Date: 03/29/21 Time: 09:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 26.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 03/10/21 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 22.12
16. Date and Time of Retrieval Date: 03/29/21 Time: 09:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 26.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 6.14
16. Date and Time of Retrieval Date: 03/26/21 Time: 10:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 16.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 6.14
16. Date and Time of Retrieval Date: 03/26/21 Time: 10:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 16.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 13:13
15. Depth to Ground Water Depth to ground water at time of deployment: 5.12
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 16.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 13:13
15. Depth to Ground Water Depth to ground water at time of deployment: 5.12
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 16.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126C
4. Well Permit Number: E201405729
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 4.62
16. Date and Time of Retrieval Date: 03/26/21 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 16.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126C
4. Well Permit Number: E201405729
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/09/21 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 4.62
16. Date and Time of Retrieval Date: 03/26/21 Time: 10:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 16.1 Wind: 16.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/10/21 Time: 09:56
15. Depth to Ground Water Depth to ground water at time of deployment: 11.26
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.2			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/10/21 Time: 09:56
15. Depth to Ground Water Depth to ground water at time of deployment: 11.26
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.2			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 11.95
16. Date and Time of Retrieval Date: 03/29/21 Time: 07:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.77
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3

9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/10/21 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 11.95
16. Date and Time of Retrieval Date: 03/29/21 Time: 07:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.77
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.58
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.58
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 18.4/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136
4. Well Permit Number: E201113727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 19
10. Screened interval/open hole (fbgs) 9 - 19
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 12:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.42
16. Date and Time of Retrieval Date: 04/07/21 Time: 10:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 8.1/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136
4. Well Permit Number: E201113727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 19
10. Screened interval/open hole (fbgs) 9 - 19
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 12:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.42
16. Date and Time of Retrieval Date: 04/07/21 Time: 10:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 8.1/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136B
4. Well Permit Number: E201416041
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/23/21 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 10.41
16. Date and Time of Retrieval Date: 04/07/21 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136B
4. Well Permit Number: E201416041
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/23/21 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 10.41
16. Date and Time of Retrieval Date: 04/07/21 Time: 10:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 9.2/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136C
4. Well Permit Number: E201415879
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 12.78
16. Date and Time of Retrieval Date: 04/07/21 Time: 10:29
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 8.1/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 5.8/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136C
4. Well Permit Number: E201415879
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/23/21 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 12.78
16. Date and Time of Retrieval Date: 04/07/21 Time: 10:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 8.1/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 5.8/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 14:06
15. Depth to Ground Water Depth to ground water at time of deployment: 13.92
16. Date and Time of Retrieval Date: 04/07/21 Time: 13:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.53
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19.4			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 14:06
15. Depth to Ground Water Depth to ground water at time of deployment: 13.92
16. Date and Time of Retrieval Date: 04/07/21 Time: 13:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.53
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19.4			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 13:43
15. Depth to Ground Water Depth to ground water at time of deployment: 14.5
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 13:43
15. Depth to Ground Water Depth to ground water at time of deployment: 14.5
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53
9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 15:58
15. Depth to Ground Water Depth to ground water at time of deployment: 13.9
16. Date and Time of Retrieval Date: 04/07/21 Time: 13:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53
9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 15:58
15. Depth to Ground Water Depth to ground water at time of deployment: 13.9
16. Date and Time of Retrieval Date: 04/07/21 Time: 13:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-145A
4. Well Permit Number: E201204688
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 27.5
10. Screened interval/open hole (fbgs) 17.5 - 27.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 19.34
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-145A
4. Well Permit Number: E201204688
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 27.5
10. Screened interval/open hole (fbgs) 17.5 - 27.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/22/21 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 19.34
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146A
4. Well Permit Number: E201204689
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.51
9. Total Well Depth (fbgs) 27.1
10. Screened interval/open hole (fbgs) 17.1 - 27.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/23/21 Time: 13:21
15. Depth to Ground Water Depth to ground water at time of deployment: 16.45
16. Date and Time of Retrieval Date: 04/07/21 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 10.4/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146A
4. Well Permit Number: E201204689
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.51
9. Total Well Depth (fbgs) 27.1
10. Screened interval/open hole (fbgs) 17.1 - 27.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/23/21 Time: 13:21
15. Depth to Ground Water Depth to ground water at time of deployment: 16.45
16. Date and Time of Retrieval Date: 04/07/21 Time: 11:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 10.4/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146B
4. Well Permit Number: E201306327
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 42 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 13:05
15. Depth to Ground Water Depth to ground water at time of deployment: 31.98
16. Date and Time of Retrieval Date: 04/07/21 Time: 11:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 10.4/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146B
4. Well Permit Number: E201306327
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 42 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 13:05
15. Depth to Ground Water Depth to ground water at time of deployment: 31.98
16. Date and Time of Retrieval Date: 04/07/21 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 10.4/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146C
4. Well Permit Number: E201306326
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/23/21 Time: 12:51
15. Depth to Ground Water Depth to ground water at time of deployment: 33.3
16. Date and Time of Retrieval Date: 04/07/21 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 5.8/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146C
4. Well Permit Number: E201306326
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/23/21 Time: 12:51
15. Depth to Ground Water Depth to ground water at time of deployment: 33.38
16. Date and Time of Retrieval Date: 04/07/21 Time: 11:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 5.8/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/10/21 Time: 08:57
15. Depth to Ground Water Depth to ground water at time of deployment: 21.79
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.79
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.1			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/10/21 Time: 08:57
15. Depth to Ground Water Depth to ground water at time of deployment: 21.79
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.79
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.1			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 09:06
15. Depth to Ground Water Depth to ground water at time of deployment: 21.53
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 09:06
15. Depth to Ground Water Depth to ground water at time of deployment: 21.53
16. Date and Time of Retrieval Date: 03/29/21 Time: 08:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
44.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 12.95
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 12.95
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170BR
4. Well Permit Number: E201510907
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 11.83
16. Date and Time of Retrieval Date: 04/07/21 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170BR
4. Well Permit Number: E201510907
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 11.83
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 09:33
15. Depth to Ground Water Depth to ground water at time of deployment: 11.91
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 09:33
15. Depth to Ground Water Depth to ground water at time of deployment: 14.91
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 15.03
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 15.03
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/22/21 Time: 09:25
15. Depth to Ground Water Depth to ground water at time of deployment: 13.41
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/22/21 Time: 09:25
15. Depth to Ground Water Depth to ground water at time of deployment: 13.41
16. Date and Time of Retrieval Date: 04/06/21 Time: 10:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 33.08
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 33.08
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-174
4. Well Permit Number: E201303564
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 28 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/23/21 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 8.67
16. Date and Time of Retrieval Date: 04/07/21 Time: 15:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.54
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-174
4. Well Permit Number: E201303564
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 28 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/23/21 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 8.67
16. Date and Time of Retrieval Date: 04/07/21 Time: 15:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.54
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.69
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.69
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 08:04
15. Depth to Ground Water Depth to ground water at time of deployment: 10.2
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 08:04
15. Depth to Ground Water Depth to ground water at time of deployment: 10.2
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 3.5/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/24/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 9.31
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 9.31
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/24/21 Time: 08:03
15. Depth to Ground Water Depth to ground water at time of deployment: 15.03
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/24/21 Time: 08:03
15. Depth to Ground Water Depth to ground water at time of deployment: 15.03
16. Date and Time of Retrieval Date: 04/08/21 Time: 09:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 8.3 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-204C
4. Well Permit Number: E201304823
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 76.5
10. Screened interval/open hole (fbgs) 56.5 - 76.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 14.75
16. Date and Time of Retrieval Date: 04/06/21 Time: 15:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-204C
4. Well Permit Number: E201304823
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 76.5
10. Screened interval/open hole (fbgs) 56.5 - 76.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/22/21 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 14.75
16. Date and Time of Retrieval Date: 04/06/21 Time: 15:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2
9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 11:46
15. Depth to Ground Water Depth to ground water at time of deployment: 2.67
16. Date and Time of Retrieval Date: 03/22/21 Time: 12:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2
9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 11:46
15. Depth to Ground Water Depth to ground water at time of deployment: 2.67
16. Date and Time of Retrieval Date: 03/22/21 Time: 12:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/08/21 Time: 11:37
15. Depth to Ground Water Depth to ground water at time of deployment: 2.21
16. Date and Time of Retrieval Date: 03/22/21 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 11:37
15. Depth to Ground Water Depth to ground water at time of deployment: 2.21
16. Date and Time of Retrieval Date: 03/22/21 Time: 11:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:16
15. Depth to Ground Water Depth to ground water at time of deployment: 3.18
16. Date and Time of Retrieval Date: 03/25/21 Time: 15:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
6.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4

9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/09/21 Time: 10:16
15. Depth to Ground Water Depth to ground water at time of deployment: 3.18
16. Date and Time of Retrieval Date: 03/25/21 Time: 15:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 6.12
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 6.12
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
44.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.21
16. Date and Time of Retrieval Date: 03/25/21 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
61.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.21
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 3.29
16. Date and Time of Retrieval Date: 03/24/21 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 3.29
16. Date and Time of Retrieval Date: 03/24/21 Time: 08:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 08:28
15. Depth to Ground Water Depth to ground water at time of deployment: 3.89
16. Date and Time of Retrieval Date: 03/24/21 Time: 08:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 08:28
15. Depth to Ground Water Depth to ground water at time of deployment: 3.89
16. Date and Time of Retrieval Date: 03/24/21 Time: 08:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213B
4. Well Permit Number: E201311462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 26.2
16. Date and Time of Retrieval Date: 03/29/21 Time: 11:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 26.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 16.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213B
4. Well Permit Number: E201311462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 26.2
16. Date and Time of Retrieval Date: 03/29/21 Time: 11:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 26.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 16.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213C
4. Well Permit Number: E201311466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/09/21 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 28.73
16. Date and Time of Retrieval Date: 03/29/21 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 16.7 Wind: 16.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213C
4. Well Permit Number: E201311466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 28.73
16. Date and Time of Retrieval Date: 03/29/21 Time: 10:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.7 Wind: 16.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214A
4. Well Permit Number: E201311468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 20 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 18.72
16. Date and Time of Retrieval Date: 04/06/21 Time: 08:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214A
4. Well Permit Number: E201311468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 20 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 18.72
16. Date and Time of Retrieval Date: 04/06/21 Time: 08:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214B
4. Well Permit Number: E201312148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 18.26
16. Date and Time of Retrieval Date: 04/06/21 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214B
4. Well Permit Number: E201312148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 18.26
16. Date and Time of Retrieval Date: 04/06/21 Time: 08:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214C
4. Well Permit Number: E201311480
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/23/21 Time: 09:47
15. Depth to Ground Water Depth to ground water at time of deployment: 19.03
16. Date and Time of Retrieval Date: 04/06/21 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214C
4. Well Permit Number: E201311480
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/23/21 Time: 09:47
15. Depth to Ground Water Depth to ground water at time of deployment: 19.03
16. Date and Time of Retrieval Date: 04/06/21 Time: 08:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-215C
4. Well Permit Number: E201311204
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 10:21
15. Depth to Ground Water Depth to ground water at time of deployment: 9
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-215C
4. Well Permit Number: E201311204
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 10:21
15. Depth to Ground Water Depth to ground water at time of deployment: 9
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-216C
4. Well Permit Number: E201311207
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 12:13
15. Depth to Ground Water Depth to ground water at time of deployment: 20.94
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 8.1/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-216C
4. Well Permit Number: E201311207
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/23/21 Time: 12:13
15. Depth to Ground Water Depth to ground water at time of deployment: 20.94
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 8.1/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222
4. Well Permit Number: E201313503
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.03
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222
4. Well Permit Number: E201313503
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 21.03
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222C
4. Well Permit Number: E201311482
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 257
10. Screened interval/open hole (fbgs) 247 - 257
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 29.67
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
254.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222C
4. Well Permit Number: E201311482
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 257
10. Screened interval/open hole (fbgs) 247 - 257
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 29.67
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
254.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-230C
4. Well Permit Number: E201315813
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 80.8
10. Screened interval/open hole (fbgs) 60.8 - 80.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/08/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 3.47
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
66.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: -1.1 Wind: 4.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-230C
4. Well Permit Number: E201315813
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 80.8
10. Screened interval/open hole (fbgs) 60.8 - 80.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/08/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 3.47
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: -1.1 Wind: 4.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236B
4. Well Permit Number: E201312196
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56

9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/23/21 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 9.65
16. Date and Time of Retrieval Date: 04/06/21 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236B
4. Well Permit Number: E201312196
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56

9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/23/21 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 9.65
16. Date and Time of Retrieval Date: 04/06/21 Time: 09:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236C
4. Well Permit Number: E201312197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 09:58
15. Depth to Ground Water Depth to ground water at time of deployment: 11.19
16. Date and Time of Retrieval Date: 04/06/21 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236C
4. Well Permit Number: E201312197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/23/21 Time: 09:58
15. Depth to Ground Water Depth to ground water at time of deployment: 11.19
16. Date and Time of Retrieval Date: 04/06/21 Time: 09:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/09/21 Time: 10:12
15. Depth to Ground Water Depth to ground water at time of deployment: 18.38
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/09/21 Time: 10:12
15. Depth to Ground Water Depth to ground water at time of deployment: 18.38
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 09:49
15. Depth to Ground Water Depth to ground water at time of deployment: 28.89
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 09:49
15. Depth to Ground Water Depth to ground water at time of deployment: 28.89
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-238C
4. Well Permit Number: E201312547
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 69.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 09:21
15. Depth to Ground Water Depth to ground water at time of deployment: 12.05
16. Date and Time of Retrieval Date: 04/06/21 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/25/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-238C
4. Well Permit Number: E201312547
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 69.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/22/21 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 12.05
16. Date and Time of Retrieval Date: 04/06/21 Time: 15:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/25/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-243B
4. Well Permit Number: E201401692
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 51.1
10. Screened interval/open hole (fbgs) 31.1 - 51.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 10.29
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-243B
4. Well Permit Number: E201401692
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 51.1
10. Screened interval/open hole (fbgs) 31.1 - 51.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 10.29
16. Date and Time of Retrieval Date: 04/07/21 Time: 14:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 13.66
16. Date and Time of Retrieval Date: 04/08/21 Time: 12:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 13.66
16. Date and Time of Retrieval Date: 04/08/21 Time: 12:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 09:38
15. Depth to Ground Water Depth to ground water at time of deployment: 13.78
16. Date and Time of Retrieval Date: 04/08/21 Time: 12:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 09:38
15. Depth to Ground Water Depth to ground water at time of deployment: 13.78
16. Date and Time of Retrieval Date: 04/08/21 Time: 12:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258B
4. Well Permit Number: E201315392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 59 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/24/21 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 54.29
16. Date and Time of Retrieval Date: 04/07/21 Time: 15:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 55.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258B
4. Well Permit Number: E201315392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 59 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/24/21 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 54.29
16. Date and Time of Retrieval Date: 04/07/21 Time: 15:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 55.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258C
4. Well Permit Number: E201314458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 105 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/24/21 Time: 11:21
15. Depth to Ground Water Depth to ground water at time of deployment: 59.15
16. Date and Time of Retrieval Date: 04/07/21 Time: 15:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 59.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
107.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258C
4. Well Permit Number: E201314458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 105 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 11:21
15. Depth to Ground Water Depth to ground water at time of deployment: 59.15
16. Date and Time of Retrieval Date: 04/07/21 Time: 15:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 59.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
107.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-259BR
4. Well Permit Number: E202010337
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/08/21 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 4.46
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-259BR
4. Well Permit Number: E202010337
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/08/21 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 4.46
16. Date and Time of Retrieval Date: 03/25/21 Time: 09:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/10/21 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 58.9
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 57.67
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/10/21 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 55.9
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 57.67
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 61.91
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 62.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 61.91
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 62.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265B
4. Well Permit Number: E201318473
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4

9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/09/21 Time: 09:17
15. Depth to Ground Water Depth to ground water at time of deployment: 7.33
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MLM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265B
4. Well Permit Number: E201318473
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 09:17
15. Depth to Ground Water Depth to ground water at time of deployment: 7.33
16. Date and Time of Retrieval Date: 03/26/21 Time: 09:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265C
4. Well Permit Number: E201403229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 09:08
15. Depth to Ground Water Depth to ground water at time of deployment: 11.26
16. Date and Time of Retrieval Date: 03/26/21 Time: 10:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265C
4. Well Permit Number: E201403229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/09/21 Time: 09:08
15. Depth to Ground Water Depth to ground water at time of deployment: 11.26
16. Date and Time of Retrieval Date: 03/26/21 Time: 10:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 3.5/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266A
4. Well Permit Number: E201318470
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 37.8
10. Screened interval/open hole (fbgs) 27.8 - 37.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 2.4
16. Date and Time of Retrieval Date: 03/26/21 Time: 12:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 11.5/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266A
4. Well Permit Number: E201318470
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 37.8
10. Screened interval/open hole (fbgs) 27.8 - 37.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 2.4
16. Date and Time of Retrieval Date: 03/26/21 Time: 12:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 11.5/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:27
15. Depth to Ground Water Depth to ground water at time of deployment: 3.95
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.7			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:27
15. Depth to Ground Water Depth to ground water at time of deployment: 3.95
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.7			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 11.5/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/09/21 Time: 12:15
15. Depth to Ground Water Depth to ground water at time of deployment: 6.35
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/09/21 Time: 12:15
15. Depth to Ground Water Depth to ground water at time of deployment: 6.35
16. Date and Time of Retrieval Date: 03/26/21 Time: 11:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267A
4. Well Permit Number: E201400817
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 56
10. Screened interval/open hole (fbgs) 46 - 56
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 07:30
15. Depth to Ground Water Depth to ground water at time of deployment: 24.13
16. Date and Time of Retrieval Date: 03/26/21 Time: 07:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267A
4. Well Permit Number: E201400817
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 56
10. Screened interval/open hole (fbgs) 46 - 56
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 07:30
15. Depth to Ground Water Depth to ground water at time of deployment: 24.13
16. Date and Time of Retrieval Date: 03/26/21 Time: 07:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267B
4. Well Permit Number: E201318590
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 105
10. Screened interval/open hole (fbgs) 95 - 105
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/09/21 Time: 07:50
15. Depth to Ground Water Depth to ground water at time of deployment: 29.33
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
96.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267B
4. Well Permit Number: E201318590
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 105
10. Screened interval/open hole (fbgs) 95 - 105
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 07:50
15. Depth to Ground Water Depth to ground water at time of deployment: 29.33
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 8.1/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 49.23
16. Date and Time of Retrieval Date: 03/29/21 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.58
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 49.23
16. Date and Time of Retrieval Date: 03/29/21 Time: 10:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.58
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 51.11
16. Date and Time of Retrieval Date: 03/29/21 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 51.11
16. Date and Time of Retrieval Date: 03/29/21 Time: 10:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 20.7/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 11:25
15. Depth to Ground Water Depth to ground water at time of deployment: 54.1
16. Date and Time of Retrieval Date: 03/29/21 Time: 11:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
60.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 13.8/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 11:25
15. Depth to Ground Water Depth to ground water at time of deployment: 54.1
16. Date and Time of Retrieval Date: 03/29/21 Time: 12:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
60.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 13.8/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 34.5
16. Date and Time of Retrieval Date: 03/25/21 Time: 11:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 10:41
15. Depth to Ground Water Depth to ground water at time of deployment: 34.5
16. Date and Time of Retrieval Date: 03/25/21 Time: 11:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 10:51
15. Depth to Ground Water Depth to ground water at time of deployment: 46.9
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/08/21 Time: 10:51
15. Depth to Ground Water Depth to ground water at time of deployment: 46.9
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 10:28
15. Depth to Ground Water Depth to ground water at time of deployment: 49.94
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 10:28
15. Depth to Ground Water Depth to ground water at time of deployment: 49.94
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-03-08
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273B
4. Well Permit Number: E201401462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 51.47
10. Screened interval/open hole (fbgs) 41.47 - 51.47
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:31
15. Depth to Ground Water Depth to ground water at time of deployment: 4.93
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273B
4. Well Permit Number: E201401462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 51.47
10. Screened interval/open hole (fbgs) 41.47 - 51.47
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:31
15. Depth to Ground Water Depth to ground water at time of deployment: 4.93
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273C
4. Well Permit Number: E201401463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 102.17
10. Screened interval/open hole (fbgs) 92.17 - 102.17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 4.55
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273C
4. Well Permit Number: E201401463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 102.17
10. Screened interval/open hole (fbgs) 92.17 - 102.17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 4.55
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:49
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274A
4. Well Permit Number: E201404620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 4.53
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274A
4. Well Permit Number: E201404620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 4.53
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274B
4. Well Permit Number: E201404621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 65
10. Screened interval/open hole (fbgs) 55 - 65
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.97
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
56.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274B
4. Well Permit Number: E201404621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 65
10. Screened interval/open hole (fbgs) 55 - 65
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.97
16. Date and Time of Retrieval Date: 03/25/21 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274C
4. Well Permit Number: E201404622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 8.04
16. Date and Time of Retrieval Date: 03/25/21 Time: 11:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
91.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274C
4. Well Permit Number: E201404622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 8.04
16. Date and Time of Retrieval Date: 03/25/21 Time: 11:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 8.1/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 6.9/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:43
15. Depth to Ground Water Depth to ground water at time of deployment: 4.29
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:43
15. Depth to Ground Water Depth to ground water at time of deployment: 4.29
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 13:45
15. Depth to Ground Water Depth to ground water at time of deployment: 16.5
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 13:45
15. Depth to Ground Water Depth to ground water at time of deployment: 16.5
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276B
4. Well Permit Number: E201403621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 16.02
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276B
4. Well Permit Number: E201403621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 16.02
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 31.09
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
86.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 31.09
16. Date and Time of Retrieval Date: 03/29/21 Time: 13:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 11.5/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52

9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/22/21 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 12.84
16. Date and Time of Retrieval Date: 04/06/21 Time: 15:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52

9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/22/21 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 12.84
16. Date and Time of Retrieval Date: 04/06/21 Time: 15:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295A
4. Well Permit Number: E201404289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.22
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/08/21 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 10.11
16. Date and Time of Retrieval Date: 03/22/21 Time: 15:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295A
4. Well Permit Number: E201404289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.22
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/08/21 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 10.11
16. Date and Time of Retrieval Date: 03/22/21 Time: 15:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295C
4. Well Permit Number: E201511978
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.55
9. Total Well Depth (fbgs) 84.7
10. Screened interval/open hole (fbgs) 76.7 - 84.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/08/21 Time: 15:05
15. Depth to Ground Water Depth to ground water at time of deployment: 14.55
16. Date and Time of Retrieval Date: 03/22/21 Time: 15:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
80.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295C
4. Well Permit Number: E201511978
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.55
9. Total Well Depth (fbgs) 84.7
10. Screened interval/open hole (fbgs) 76.7 - 84.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/08/21 Time: 15:05
15. Depth to Ground Water Depth to ground water at time of deployment: 14.55
16. Date and Time of Retrieval Date: 03/22/21 Time: 15:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
79.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 9.2/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 10:17
15. Depth to Ground Water Depth to ground water at time of deployment: 9.86
16. Date and Time of Retrieval Date: 04/06/21 Time: 11:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/22/21 Time: 10:17
15. Depth to Ground Water Depth to ground water at time of deployment: 9.86
16. Date and Time of Retrieval Date: 04/06/21 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304B
4. Well Permit Number: E201510845
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 30 - 50
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 10:08
15. Depth to Ground Water Depth to ground water at time of deployment: 8.58
16. Date and Time of Retrieval Date: 04/06/21 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304B
4. Well Permit Number: E201510845
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39

9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 30 - 50
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/22/21 Time: 10:08
15. Depth to Ground Water Depth to ground water at time of deployment: 8.58
16. Date and Time of Retrieval Date: 04/06/21 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 9.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304C
4. Well Permit Number: E201510846
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 10:25
15. Depth to Ground Water Depth to ground water at time of deployment: 7.36
16. Date and Time of Retrieval Date: 04/06/21 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304C
4. Well Permit Number: E201510846
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28

9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/22/21 Time: 10:25
15. Depth to Ground Water Depth to ground water at time of deployment: 7.36
16. Date and Time of Retrieval Date: 04/06/21 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:07
15. Depth to Ground Water Depth to ground water at time of deployment: 5.96
16. Date and Time of Retrieval Date: 03/25/21 Time: 15:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:07
15. Depth to Ground Water Depth to ground water at time of deployment: 5.96
16. Date and Time of Retrieval Date: 03/25/21 Time: 15:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:35
15. Depth to Ground Water Depth to ground water at time of deployment: 6.3
16. Date and Time of Retrieval Date: 03/25/21 Time: 15:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 10:35
15. Depth to Ground Water Depth to ground water at time of deployment: 6.3
16. Date and Time of Retrieval Date: 03/25/21 Time: 15:29
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:19
15. Depth to Ground Water Depth to ground water at time of deployment: 5.04
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:19
15. Depth to Ground Water Depth to ground water at time of deployment: 5.04
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 5.12
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
91.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 5.12
16. Date and Time of Retrieval Date: 03/26/21 Time: 08:29
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-351C
4. Well Permit Number: E201409431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 87.52
10. Screened interval/open hole (fbgs) 62.52 - 87.52
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/23/21 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 16.11
16. Date and Time of Retrieval Date: 04/06/21 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 6.1 Wind: 3.5/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-351C
4. Well Permit Number: E201409431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 87.52
10. Screened interval/open hole (fbgs) 62.52 - 87.52
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 16.11
16. Date and Time of Retrieval Date: 04/06/21 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 3.5/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 32.79
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 32.79
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 33.17
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 33.17
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 45.68
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
125			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 45.68
16. Date and Time of Retrieval Date: 04/08/21 Time: 08:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
125			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 4.6/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-357A
4. Well Permit Number: E201409766
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 25.4
10. Screened interval/open hole (fbgs) 15.4 - 25.4
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 7.38
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
20.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 20.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-357A
4. Well Permit Number: E201409766
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 25.4
10. Screened interval/open hole (fbgs) 15.4 - 25.4
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/10/21 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 7.38
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
20.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 20.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-366B
4. Well Permit Number: E201412402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 10.85
16. Date and Time of Retrieval Date: 04/08/21 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 13.8/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-366B
4. Well Permit Number: E201412402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/24/21 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 10.85
16. Date and Time of Retrieval Date: 04/08/21 Time: 14:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 13.8/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373B
4. Well Permit Number: E201502842
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 40.5
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
74.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373B
4. Well Permit Number: E201502842
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 40.5
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
74.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 14:34
15. Depth to Ground Water Depth to ground water at time of deployment: 40.55
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/23/21 Time: 14:34
15. Depth to Ground Water Depth to ground water at time of deployment: 40.55
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 17.2 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/08/21 Time: 12:15
15. Depth to Ground Water Depth to ground water at time of deployment: 26.46
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/08/21 Time: 12:15
15. Depth to Ground Water Depth to ground water at time of deployment: 26.46
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:10
15. Depth to Ground Water Depth to ground water at time of deployment: 27.92
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 12:10
15. Depth to Ground Water Depth to ground water at time of deployment: 27.92
16. Date and Time of Retrieval Date: 03/25/21 Time: 13:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 23:56
15. Depth to Ground Water Depth to ground water at time of deployment: 41.8
16. Date and Time of Retrieval Date: 03/25/21 Time: 13:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/08/21 Time: 11:56
15. Depth to Ground Water Depth to ground water at time of deployment: 41.8
16. Date and Time of Retrieval Date: 03/25/21 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 1.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376B
4. Well Permit Number: E201414290
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 86
10. Screened interval/open hole (fbgs) 76 - 86
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:38
15. Depth to Ground Water Depth to ground water at time of deployment: 38.73
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376B
4. Well Permit Number: E201414290
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 86
10. Screened interval/open hole (fbgs) 76 - 86
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:37
15. Depth to Ground Water Depth to ground water at time of deployment: 38.73
16. Date and Time of Retrieval Date: 03/25/21 Time: 08:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:22
15. Depth to Ground Water Depth to ground water at time of deployment: 51.28
16. Date and Time of Retrieval Date: 03/25/21 Time: 07:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 3.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 51.28
16. Date and Time of Retrieval Date: 03/25/21 Time: 07:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-03-08
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -2.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 3.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 46.38
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 46.38
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/10/21 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 46.29
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
110.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/10/21 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 46.26
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
110.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 17.3/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	MPM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-383A
4. Well Permit Number: E201415541
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.35
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.2
16. Date and Time of Retrieval Date: 03/23/21 Time: 09:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 02/18/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 3.5/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-383A
4. Well Permit Number: E201415541
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.35
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.2
16. Date and Time of Retrieval Date: 03/23/21 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 02/18/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 3.5/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-391C
4. Well Permit Number: E201415873
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31

9. Total Well Depth (fbgs) 123.6
10. Screened interval/open hole (fbgs) 113.6 - 123.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/23/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 17.53
16. Date and Time of Retrieval Date: 04/06/21 Time: 14:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-391C
4. Well Permit Number: E201415873
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 123.6
10. Screened interval/open hole (fbgs) 113.6 - 123.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 17.53
16. Date and Time of Retrieval Date: 04/06/21 Time: 14:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.46
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-394C
4. Well Permit Number: E201415860
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.72

9. Total Well Depth (fbgs) 103
10. Screened interval/open hole (fbgs) 93 - 103
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/10/21 Time: 12:52
15. Depth to Ground Water Depth to ground water at time of deployment: 11.63
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.64
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 20.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-394C
4. Well Permit Number: E201415860
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.72
9. Total Well Depth (fbgs) 103
10. Screened interval/open hole (fbgs) 93 - 103
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/10/21 Time: 12:52
15. Depth to Ground Water Depth to ground water at time of deployment: 11.63
16. Date and Time of Retrieval Date: 03/29/21 Time: 14:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.64
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 20.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/23/21 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.18
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/23/21 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.18
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/23/21 Time: 10:35
15. Depth to Ground Water Depth to ground water at time of deployment: 9.67
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/23/21 Time: 10:35
15. Depth to Ground Water Depth to ground water at time of deployment: 9.67
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416C
4. Well Permit Number: E201501192
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 115
10. Screened interval/open hole (fbgs) 105 - 115
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 13.12
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
105.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416C
4. Well Permit Number: E201501192
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 115
10. Screened interval/open hole (fbgs) 105 - 115
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/23/21 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 13.12
16. Date and Time of Retrieval Date: 04/07/21 Time: 08:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
105.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-453C2
4. Well Permit Number: E201509739
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 90 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 12.93
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-453C2
4. Well Permit Number: E201509739
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 90 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 12.93
16. Date and Time of Retrieval Date: 04/08/21 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
NP	PW

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-457C1
4. Well Permit Number: E201509602
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 12:23
15. Depth to Ground Water Depth to ground water at time of deployment: 10.4
16. Date and Time of Retrieval Date: 04/08/21 Time: 14:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 13.8/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-457C1
4. Well Permit Number: E201509602
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/24/21 Time: 12:23
15. Depth to Ground Water Depth to ground water at time of deployment: 10.4
16. Date and Time of Retrieval Date: 04/08/21 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 13.8/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 09:32
15. Depth to Ground Water Depth to ground water at time of deployment: 5.85
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 09:32
15. Depth to Ground Water Depth to ground water at time of deployment: 5.85
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 6.74
16. Date and Time of Retrieval Date: 03/25/21 Time: 13:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/09/21 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 6.74
16. Date and Time of Retrieval Date: 03/25/21 Time: 14:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-487A
4. Well Permit Number: E201511649
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 15:17
15. Depth to Ground Water Depth to ground water at time of deployment: 5.4
16. Date and Time of Retrieval Date: 03/25/21 Time: 13:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-487A
4. Well Permit Number: E201511649
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/08/21 Time: 15:17
15. Depth to Ground Water Depth to ground water at time of deployment: 16.5
16. Date and Time of Retrieval Date: 03/25/21 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-495B
4. Well Permit Number: E201514806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -1.05
9. Total Well Depth (fbgs) 50.5
10. Screened interval/open hole (fbgs) 40.5 - 50.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 14:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.38
16. Date and Time of Retrieval Date: 04/06/21 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-495B
4. Well Permit Number: E201514806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -1.05
9. Total Well Depth (fbgs) 50.5
10. Screened interval/open hole (fbgs) 40.5 - 50.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 14:45
15. Depth to Ground Water Depth to ground water at time of deployment: 10.38
16. Date and Time of Retrieval Date: 04/06/21 Time: 14:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-503C
4. Well Permit Number: E201701479
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 80.5
10. Screened interval/open hole (fbgs) 60.5 - 80.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/22/21 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 11.02
16. Date and Time of Retrieval Date: 04/06/21 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-503C
4. Well Permit Number: E201701479
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66

9. Total Well Depth (fbgs) 80.5
10. Screened interval/open hole (fbgs) 60.5 - 80.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/22/21 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 11.02
16. Date and Time of Retrieval Date: 04/06/21 Time: 14:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☒ **No**, this well is being profiled during this sampling round
   ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	DS

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 66RI-MW4
4. Well Permit Number: E201304931
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 15.4
10. Screened interval/open hole (fbgs) 8.4 - 15.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/21 Time: 09:03
15. Depth to Ground Water Depth to ground water at time of deployment: 7.99
16. Date and Time of Retrieval Date: 10/21/21 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 131RI-MW1
4. Well Permit Number: E201306020
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 15.8
10. Screened interval/open hole (fbgs) 7.8 - 15.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/21 Time: 09:22
15. Depth to Ground Water Depth to ground water at time of deployment: 9.49
16. Date and Time of Retrieval Date: 10/21/21 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.65			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 138RI-MW1R
4. Well Permit Number: E202010338
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 32
10. Screened interval/open hole (fbgs) 22 - 32
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/21 Time: 09:37
15. Depth to Ground Water Depth to ground water at time of deployment: 6.11
16. Date and Time of Retrieval Date: 10/21/21 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 187RI-MW2
4. Well Permit Number: E201305798
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 2 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/07/21 Time: 10:51
15. Depth to Ground Water Depth to ground water at time of deployment: 4.46
16. Date and Time of Retrieval Date: 09/21/21 Time: 10:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.45			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 8.1/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 187RI-MW2
4. Well Permit Number: E201305798
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 2 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/07/21 Time: 10:57
15. Depth to Ground Water Depth to ground water at time of deployment: 4.46
16. Date and Time of Retrieval Date: 09/21/21 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 8.1/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: ART-MW-6BR
4. Well Permit Number: E201501062
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.21
9. Total Well Depth (fbgs) 42.5
10. Screened interval/open hole (fbgs) 27.5 - 42.5
11. Well Casing: Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 14:11
15. Depth to Ground Water Depth to ground water at time of deployment: 11.92
16. Date and Time of Retrieval Date: 10/20/21 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Nylon
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 9.2/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: ART-MW-6BR
4. Well Permit Number: E201501062
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.21
9. Total Well Depth (fbgs) 42.5
10. Screened interval/open hole (fbgs) 27.5 - 42.5
11. Well Casing: Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 14:11
15. Depth to Ground Water Depth to ground water at time of deployment: 11.92
16. Date and Time of Retrieval Date: 10/20/21 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Nylon
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
39.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 9.2/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 56.07
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.69
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
133.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 56.07
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.69
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
132.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 13:08
15. Depth to Ground Water Depth to ground water at time of deployment: 58.92
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
277.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 13:08
15. Depth to Ground Water Depth to ground water at time of deployment: 58.92
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
276.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3B
4. Well Permit Number: E201218158
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 122
10. Screened interval/open hole (fbgs) 112 - 122
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/21/21 Time: 12:05
15. Depth to Ground Water Depth to ground water at time of deployment: 47.38
16. Date and Time of Retrieval Date: 10/20/21 Time: 14:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
113.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3B
4. Well Permit Number: E201218158
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 122
10. Screened interval/open hole (fbgs) 112 - 122
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/21/21 Time: 12:05
15. Depth to Ground Water Depth to ground water at time of deployment: 47.38
16. Date and Time of Retrieval Date: 10/20/21 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
114.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/21/21 Time: 12:11
15. Depth to Ground Water Depth to ground water at time of deployment: 79.98
16. Date and Time of Retrieval Date: 10/20/21 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 80.75
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
286.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/21/21 Time: 12:11
15. Depth to Ground Water Depth to ground water at time of deployment: 79.98
16. Date and Time of Retrieval Date: 10/20/21 Time: 14:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 80.75
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4C
4. Well Permit Number: E201306325
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 117 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 10:02
15. Depth to Ground Water Depth to ground water at time of deployment: 40.39
16. Date and Time of Retrieval Date: 10/25/21 Time: 13:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.22
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 5.8/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4D
4. Well Permit Number: E201306324
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 25.58
16. Date and Time of Retrieval Date: 10/25/21 Time: 13:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 25
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 5.8/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6B
4. Well Permit Number: E201218159
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 114.6
10. Screened interval/open hole (fbgs) 104.6 - 114.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 20.48
16. Date and Time of Retrieval Date: 10/22/21 Time: 09:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 6.9/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6C
4. Well Permit Number: E201218160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.6
9. Total Well Depth (fbgs) 291
10. Screened interval/open hole (fbgs) 281 - 291
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 13:57
15. Depth to Ground Water Depth to ground water at time of deployment: 20.48
16. Date and Time of Retrieval Date: 10/22/21 Time: 09:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
288.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 6.9/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6D
4. Well Permit Number: E201301046
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39

9. Total Well Depth (fbgs) 497.9
10. Screened interval/open hole (fbgs) 472.9 - 497.9
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/21 Time: 13:47
15. Depth to Ground Water Depth to ground water at time of deployment: 20.69
16. Date and Time of Retrieval Date: 10/22/21 Time: 09:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.81
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
495.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 6.9/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 15.55
16. Date and Time of Retrieval Date: 09/22/21 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 15.55
16. Date and Time of Retrieval Date: 09/22/21 Time: 10:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
123.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/08/21 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 17.38
16. Date and Time of Retrieval Date: 09/22/21 Time: 11:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.86
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 24.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 17.38
16. Date and Time of Retrieval Date: 09/22/21 Time: 11:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.86
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
171.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/08/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 22.27
16. Date and Time of Retrieval Date: 09/22/21 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-08

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
342.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 24.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/08/21 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 22.27
16. Date and Time of Retrieval Date: 09/22/21 Time: 11:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.33
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
341.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 24.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 15.0/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 21.78
16. Date and Time of Retrieval Date: 09/22/21 Time: 10:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 21.78
16. Date and Time of Retrieval Date: 09/22/21 Time: 10:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
426.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 15:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 15:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
117.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 15:29
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.92
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
189.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 15:29
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.92
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
188.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8C
4. Well Permit Number: E201217463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.5
9. Total Well Depth (fbgs) 307
10. Screened interval/open hole (fbgs) 297 - 307
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 15:40
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
304.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8C
4. Well Permit Number: E201217463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.5
9. Total Well Depth (fbgs) 307
10. Screened interval/open hole (fbgs) 297 - 307
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 15:40
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
303.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-9A
4. Well Permit Number: E201217454
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 95.1
10. Screened interval/open hole (fbgs) 85.1 - 95.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 18.43
16. Date and Time of Retrieval Date: 10/22/21 Time: 09:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.71
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11B
4. Well Permit Number: E201300242
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 09:14
15. Depth to Ground Water Depth to ground water at time of deployment: 7.45
16. Date and Time of Retrieval Date: 10/22/21 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.11
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11D
4. Well Permit Number: E201300243
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/28/21 Time: 08:59
15. Depth to Ground Water Depth to ground water at time of deployment: 7.85
16. Date and Time of Retrieval Date: 10/22/21 Time: 15:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.92
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28

22. Position of PDBS Weight In-line and Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 20.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12A
4. Well Permit Number: E201300227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 134
10. Screened interval/open hole (fbgs) 124 - 134
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 16.94
16. Date and Time of Retrieval Date: 10/21/21 Time: 12:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.23
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
131.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12B
4. Well Permit Number: E201300228
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 181 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 12:16
15. Depth to Ground Water Depth to ground water at time of deployment: 12.38
16. Date and Time of Retrieval Date: 10/21/21 Time: 12:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.24
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
183.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/23/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12CR
4. Well Permit Number: E201412451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 520.1
10. Screened interval/open hole (fbgs) 495.1 - 520.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 12:24
15. Depth to Ground Water Depth to ground water at time of deployment: 23.66
16. Date and Time of Retrieval Date: 10/21/21 Time: 13:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
517.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 12:49
15. Depth to Ground Water Depth to ground water at time of deployment: 10.94
16. Date and Time of Retrieval Date: 09/21/21 Time: 13:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.78
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
241.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 4.6/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 12:49
15. Depth to Ground Water Depth to ground water at time of deployment: 10.94
16. Date and Time of Retrieval Date: 09/21/21 Time: 13:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.78
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
242.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 4.6/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16A
4. Well Permit Number: E201300231
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.95
9. Total Well Depth (fbgs) 218.1
10. Screened interval/open hole (fbgs) 208.1 - 218.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 10:11
15. Depth to Ground Water Depth to ground water at time of deployment: 15.48
16. Date and Time of Retrieval Date: 10/21/21 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.09
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 11.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16B
4. Well Permit Number: E201300232
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.17
9. Total Well Depth (fbgs) 298.4
10. Screened interval/open hole (fbgs) 288.4 - 298.4
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 09:59
15. Depth to Ground Water Depth to ground water at time of deployment: 17.58
16. Date and Time of Retrieval Date: 10/21/21 Time: 11:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
294.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 11.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16C
4. Well Permit Number: E201301078
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 444.4
10. Screened interval/open hole (fbgs) 419.4 - 444.4
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 0.13
16. Date and Time of Retrieval Date: 10/21/21 Time: 11:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.5
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
435.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 11.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 12:18
15. Depth to Ground Water Depth to ground water at time of deployment: 13.96
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.05
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
117.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 13.8/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 12:18
15. Depth to Ground Water Depth to ground water at time of deployment: 13.96
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.05
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
116.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 13.8/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-24
4. Well Permit Number: E201314457
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 175
10. Screened interval/open hole (fbgs) 150 - 175
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 11:04
15. Depth to Ground Water Depth to ground water at time of deployment: 68.72
16. Date and Time of Retrieval Date: 10/25/21 Time: 10:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 70.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 3.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27B
4. Well Permit Number: E201315239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 299.8
10. Screened interval/open hole (fbgs) 274.8 - 299.8
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 22.4
16. Date and Time of Retrieval Date: 10/21/21 Time: 14:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.32
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 15.0/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27C
4. Well Permit Number: E201402655
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 425
10. Screened interval/open hole (fbgs) 400 - 425
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 13:52
15. Depth to Ground Water Depth to ground water at time of deployment: 23.98
16. Date and Time of Retrieval Date: 10/21/21 Time: 14:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
422.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 15.0/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 48.45
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
181.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 48.45
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
180.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 14:38
15. Depth to Ground Water Depth to ground water at time of deployment: 49.19
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.73
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
308.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 14:38
15. Depth to Ground Water Depth to ground water at time of deployment: 49.19
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.73
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
307.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 15:30
15. Depth to Ground Water Depth to ground water at time of deployment: 36.83
16. Date and Time of Retrieval Date: 09/22/21 Time: 15:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.15
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.2 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 15:30
15. Depth to Ground Water Depth to ground water at time of deployment: 36.83
16. Date and Time of Retrieval Date: 09/22/21 Time: 15:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.15
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
286.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.2 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/09/21 Time: 15:12
15. Depth to Ground Water Depth to ground water at time of deployment: 38.8
16. Date and Time of Retrieval Date: 09/22/21 Time: 15:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
439.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 3.5/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 15:12
15. Depth to Ground Water Depth to ground water at time of deployment: 38.8
16. Date and Time of Retrieval Date: 09/22/21 Time: 15:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
438.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 15.0/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	None

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 18.76
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
256.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 9.2/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 18.76
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
257.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 9.2/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/03/21 Time: 11:15
15. Depth to Ground Water Depth to ground water at time of deployment: 302.18
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 301.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
437.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 11:15
15. Depth to Ground Water Depth to ground water at time of deployment: 302.2
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 301.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
436.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32A
4. Well Permit Number: E201318587
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39

9. Total Well Depth (fbgs) 164
10. Screened interval/open hole (fbgs) 154 - 164
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/03/21 Time: 10:08
15. Depth to Ground Water Depth to ground water at time of deployment: 12.11
16. Date and Time of Retrieval Date: 09/20/21 Time: 09:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.4
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
156.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32A
4. Well Permit Number: E201318587
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 164
10. Screened interval/open hole (fbgs) 154 - 164
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 10:08
15. Depth to Ground Water Depth to ground water at time of deployment: 12.11
16. Date and Time of Retrieval Date: 09/20/21 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.4
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
155.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32B
4. Well Permit Number: E201315585
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 301.1
10. Screened interval/open hole (fbgs) 276.1 - 301.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 21.29
16. Date and Time of Retrieval Date: 09/20/21 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32B
4. Well Permit Number: E201315585
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 301.1
10. Screened interval/open hole (fbgs) 276.1 - 301.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 21.29
16. Date and Time of Retrieval Date: 09/20/21 Time: 10:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33A
4. Well Permit Number: E201401464
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 161.26
10. Screened interval/open hole (fbgs) 151.26 - 161.26
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.7
16. Date and Time of Retrieval Date: 10/21/21 Time: 09:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
152.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33B
4. Well Permit Number: E201318598
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 280.27
10. Screened interval/open hole (fbgs) 270.27 - 280.27
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 08:11
15. Depth to Ground Water Depth to ground water at time of deployment: 17.74
16. Date and Time of Retrieval Date: 10/21/21 Time: 09:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.68
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
276.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33C
4. Well Permit Number: E201402654
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 426.16
10. Screened interval/open hole (fbgs) 401.16 - 426.16
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 08:27
15. Depth to Ground Water Depth to ground water at time of deployment: 11.22
16. Date and Time of Retrieval Date: 10/21/21 Time: 09:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.69
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
417.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-34B
4. Well Permit Number: E201315235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 07:47
15. Depth to Ground Water Depth to ground water at time of deployment: 43.7
16. Date and Time of Retrieval Date: 10/22/21 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.47
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 8.1/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 54.31
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.07
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 17.3/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 54.31
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.07
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
296.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 17.3/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 50.64
16. Date and Time of Retrieval Date: 09/20/21 Time: 12:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.4
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
177.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 6.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 50.64
16. Date and Time of Retrieval Date: 09/20/21 Time: 12:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.4
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
178.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 6.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 13:18
15. Depth to Ground Water Depth to ground water at time of deployment: 80.27
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 81.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
249.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 6.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 13:18
15. Depth to Ground Water Depth to ground water at time of deployment: 80.27
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 81.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
248.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 6.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 10:48
15. Depth to Ground Water Depth to ground water at time of deployment: 57.34
16. Date and Time of Retrieval Date: 09/27/21 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.19
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
293.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 10:48
15. Depth to Ground Water Depth to ground water at time of deployment: 57.34
16. Date and Time of Retrieval Date: 09/27/21 Time: 11:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.19
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 10:39
15. Depth to Ground Water Depth to ground water at time of deployment: 50.62
16. Date and Time of Retrieval Date: 09/27/21 Time: 11:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
493.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 10:39
15. Depth to Ground Water Depth to ground water at time of deployment: 50.62
16. Date and Time of Retrieval Date: 09/27/21 Time: 11:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
492.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 0.05
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.02
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 0.05
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.02
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
138.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 13:41
15. Depth to Ground Water Depth to ground water at time of deployment: 8.1
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
247.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 13:41
15. Depth to Ground Water Depth to ground water at time of deployment: 8.1
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
246.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27

9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/07/21 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 1.97
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.5
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
397.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 25.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27

9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/07/21 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 1.97
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.5
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
396.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 25.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-41C
4. Well Permit Number: E201407799
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 450.1
10. Screened interval/open hole (fbgs) 425.1 - 450.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 13:38
15. Depth to Ground Water Depth to ground water at time of deployment: 22.05
16. Date and Time of Retrieval Date: 10/22/21 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.94
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 13:16
15. Depth to Ground Water Depth to ground water at time of deployment: 15.8
16. Date and Time of Retrieval Date: 10/20/21 Time: 15:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 13:16
15. Depth to Ground Water Depth to ground water at time of deployment: 15.8
16. Date and Time of Retrieval Date: 10/20/21 Time: 15:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-52A
4. Well Permit Number: E201413312
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 115 - 130
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 15:55
15. Depth to Ground Water Depth to ground water at time of deployment: 8.8
16. Date and Time of Retrieval Date: 10/22/21 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.71
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 6.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 39.65
16. Date and Time of Retrieval Date: 10/20/21 Time: 09:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 6.9/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 39.65
16. Date and Time of Retrieval Date: 10/20/21 Time: 09:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
216.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 6.9/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-64A
4. Well Permit Number: E201500412
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 235 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 47.01
16. Date and Time of Retrieval Date: 09/22/21 Time: 12:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.56
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
237.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 15.0/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-64A
4. Well Permit Number: E201500412
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 235 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 47.01
16. Date and Time of Retrieval Date: 09/22/21 Time: 12:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.56
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
236.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 15.0/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67B
4. Well Permit Number: E201509857
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 274.9
10. Screened interval/open hole (fbgs) 264.9 - 274.9
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 24.82
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.78
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
270.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 6.9/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	LL

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67B
4. Well Permit Number: E201509857
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 274.9
10. Screened interval/open hole (fbgs) 264.9 - 274.9
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 24.82
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.78
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
269.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 6.9/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 14:35
15. Depth to Ground Water Depth to ground water at time of deployment: 18.79
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
203.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 14:35
15. Depth to Ground Water Depth to ground water at time of deployment: 18.79
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
202.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-157C2
4. Well Permit Number: E201509285
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 105.1
10. Screened interval/open hole (fbgs) 80.1 - 105.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/28/21 Time: 15:43
15. Depth to Ground Water Depth to ground water at time of deployment: 8.66
16. Date and Time of Retrieval Date: 10/22/21 Time: 12:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 6.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168B
4. Well Permit Number: E201507919
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 56.7
10. Screened interval/open hole (fbgs) 31.7 - 56.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/29/21 Time: 14:53
15. Depth to Ground Water Depth to ground water at time of deployment: 9.64
16. Date and Time of Retrieval Date: 10/22/21 Time: 10:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
44.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 6.9/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C1
4. Well Permit Number: E201507920
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 81.8
10. Screened interval/open hole (fbgs) 56.8 - 81.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/29/21 Time: 14:42
15. Depth to Ground Water Depth to ground water at time of deployment: 9.44
16. Date and Time of Retrieval Date: 10/22/21 Time: 10:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
69.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
MS	MSD 9 VOAs

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C1
4. Well Permit Number: E201507920
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 81.8
10. Screened interval/open hole (fbgs) 56.8 - 81.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/29/21 Time: 14:42
15. Depth to Ground Water Depth to ground water at time of deployment: 9.44
16. Date and Time of Retrieval Date: 10/22/21 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
68.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C2
4. Well Permit Number: E201507921
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 106.9
10. Screened interval/open hole (fbgs) 81.9 - 106.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/29/21 Time: 14:59
15. Depth to Ground Water Depth to ground water at time of deployment: 9.66
16. Date and Time of Retrieval Date: 10/22/21 Time: 10:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
94.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C2
4. Well Permit Number: E201507921
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 106.9
10. Screened interval/open hole (fbgs) 81.9 - 106.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/29/21 Time: 14:59
15. Depth to Ground Water Depth to ground water at time of deployment: 9.66
16. Date and Time of Retrieval Date: 10/22/21 Time: 10:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-197A
4. Well Permit Number: E201903466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33

9. Total Well Depth (fbgs) 29.3
10. Screened interval/open hole (fbgs) 23.3 - 28.3
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/21 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 7.74
16. Date and Time of Retrieval Date: 10/21/21 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☒ **No**, this well is being profiled during this sampling round
   ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-197A
4. Well Permit Number: E201903466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33

9. Total Well Depth (fbgs) 29.3
10. Screened interval/open hole (fbgs) 23.3 - 28.3
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/21 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 7.74
16. Date and Time of Retrieval Date: 10/21/21 Time: 13:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 15.0/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-199B
4. Well Permit Number: E201903468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 43.6
10. Screened interval/open hole (fbgs) 27.6 - 42.6
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/21 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 7.93
16. Date and Time of Retrieval Date: 10/21/21 Time: 13:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.17
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 15.0/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4

9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/03/21 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 4.6
16. Date and Time of Retrieval Date: 09/22/21 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 17.2 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4

9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/03/21 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 4.6
16. Date and Time of Retrieval Date: 09/22/21 Time: 09:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 17.2 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2G
4. Well Permit Number: E201216676
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 4 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 1.37
16. Date and Time of Retrieval Date: 09/22/21 Time: 09:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 4.6/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2G
4. Well Permit Number: E201216676
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 4 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 1.37
16. Date and Time of Retrieval Date: 09/22/21 Time: 09:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 4.6/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-15A
4. Well Permit Number: 2600051888
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.09
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 15:18
15. Depth to Ground Water Depth to ground water at time of deployment: 7.34
16. Date and Time of Retrieval Date: 10/22/21 Time: 14:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.85
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/26/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 4.6/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-16
4. Well Permit Number: 2600012044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.19
9. Total Well Depth (fbgs) 13.8
10. Screened interval/open hole (fbgs) 3.8 - 13.8
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 2.13
16. Date and Time of Retrieval Date: 09/20/21 Time: 10:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.39
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-16
4. Well Permit Number: 2600012044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.19
9. Total Well Depth (fbgs) 13.8
10. Screened interval/open hole (fbgs) 3.8 - 13.8
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 2.13
16. Date and Time of Retrieval Date: 09/20/21 Time: 10:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.39
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-22A
4. Well Permit Number: 2600051883
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 44.2
10. Screened interval/open hole (fbgs) 24.2 - 44.2
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 09/20/21 Time: 15:29
15. Depth to Ground Water Depth to ground water at time of deployment: 7.02
16. Date and Time of Retrieval Date: 10/20/21 Time: 13:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 23.3 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-22A
4. Well Permit Number: 2600051883
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 44.2
10. Screened interval/open hole (fbgs) 24.2 - 44.2
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/20/21 Time: 15:29
15. Depth to Ground Water Depth to ground water at time of deployment: 7.02
16. Date and Time of Retrieval Date: 10/20/21 Time: 13:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24
4. Well Permit Number: 2600036932
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -5.7
9. Total Well Depth (fbgs) 41.7
10. Screened interval/open hole (fbgs) 31.7 - 41.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/10/21 Time: 16:23
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 17.3/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24
4. Well Permit Number: 2600036932
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -5.7
9. Total Well Depth (fbgs) 41.7
10. Screened interval/open hole (fbgs) 31.7 - 41.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/10/21 Time: 16:23
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 17.3/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24C
4. Well Permit Number: E201316485
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 49.4
10. Screened interval/open hole (fbgs) 29.4 - 49.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/17/21 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 15.49
16. Date and Time of Retrieval Date: 10/20/21 Time: 12:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/19/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 9.2/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24C
4. Well Permit Number: E201316485
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 49.4
10. Screened interval/open hole (fbgs) 29.4 - 49.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/17/21 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 15.49
16. Date and Time of Retrieval Date: 10/20/21 Time: 12:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
39.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/19/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 9.2/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 9.1
16. Date and Time of Retrieval Date: 09/21/21 Time: 09:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 8.1/E ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/07/21 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 9.1
16. Date and Time of Retrieval Date: 09/21/21 Time: 10:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
21.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/28/21 Time: 14:08
15. Depth to Ground Water Depth to ground water at time of deployment: 7.8
16. Date and Time of Retrieval Date: 10/21/21 Time: 14:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.87
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2021-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44B
4. Well Permit Number: E201304514
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45.1
10. Screened interval/open hole (fbgs) 35.1 - 45.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 10.68
16. Date and Time of Retrieval Date: 10/21/21 Time: 14:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44C
4. Well Permit Number: E201302491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 81.3
10. Screened interval/open hole (fbgs) 61.3 - 81.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 17.17
16. Date and Time of Retrieval Date: 10/21/21 Time: 14:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 8.1/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/21/21 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 47.54
16. Date and Time of Retrieval Date: 10/20/21 Time: 15:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.1
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/21/21 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 47.54
16. Date and Time of Retrieval Date: 10/20/21 Time: 15:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.1
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-58
4. Well Permit Number: 2600068227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 36
10. Screened interval/open hole (fbgs) 21 - 36
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 10:48
15. Depth to Ground Water Depth to ground water at time of deployment: 14.94
16. Date and Time of Retrieval Date: 09/20/21 Time: 10:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-58
4. Well Permit Number: 2600068227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 36
10. Screened interval/open hole (fbgs) 21 - 36
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 10:48
15. Depth to Ground Water Depth to ground water at time of deployment: 14.94
16. Date and Time of Retrieval Date: 09/20/21 Time: 10:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-80C
4. Well Permit Number: E201316488
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.32
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 16:12
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.77
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-80C
4. Well Permit Number: E201316488
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.32
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 16:12
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.77
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 12.7/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 17.3/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-102
4. Well Permit Number: P200804386
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/21 Time: 15:50
15. Depth to Ground Water Depth to ground water at time of deployment: 7.45
16. Date and Time of Retrieval Date: 10/22/21 Time: 13:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.02
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 6.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/10/21 Time: 09:59
15. Depth to Ground Water Depth to ground water at time of deployment: 2.5
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.04
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/10/21 Time: 09:59
15. Depth to Ground Water Depth to ground water at time of deployment: 2.5
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.04
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/21 Time: 16:27
15. Depth to Ground Water Depth to ground water at time of deployment: 1.78
16. Date and Time of Retrieval Date: 10/25/21 Time: 14:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4

9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/29/21 Time: 16:27
15. Depth to Ground Water Depth to ground water at time of deployment: 1.78
16. Date and Time of Retrieval Date: 10/25/21 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.65			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/29/21 Time: 16:35
15. Depth to Ground Water Depth to ground water at time of deployment: 1.82
16. Date and Time of Retrieval Date: 10/25/21 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.28
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 09/29/21 Time: 16:35
15. Depth to Ground Water Depth to ground water at time of deployment: 1.82
16. Date and Time of Retrieval Date: 10/25/21 Time: 14:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.28
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 09:36
15. Depth to Ground Water Depth to ground water at time of deployment: 3.69
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 09:36
15. Depth to Ground Water Depth to ground water at time of deployment: 3.69
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/10/21 Time: 09:47
15. Depth to Ground Water Depth to ground water at time of deployment: 0.2
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.2
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.95			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 09/10/21 Time: 09:47
15. Depth to Ground Water Depth to ground water at time of deployment: 0.2
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.2
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.95			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 20.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 8.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-112A
4. Well Permit Number: E201412398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 15:42
15. Depth to Ground Water Depth to ground water at time of deployment: 5.04
16. Date and Time of Retrieval Date: 10/25/21 Time: 11:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 4.6/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/08/21 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 37.64
16. Date and Time of Retrieval Date: 10/20/21 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.2 Wind: 13.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/08/21 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 37.64
16. Date and Time of Retrieval Date: 10/20/21 Time: 08:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.2 Wind: 13.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 13:32
15. Depth to Ground Water Depth to ground water at time of deployment: 40.06
16. Date and Time of Retrieval Date: 10/20/21 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.2 Wind: 13.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 13:32
15. Depth to Ground Water Depth to ground water at time of deployment: 40.06
16. Date and Time of Retrieval Date: 10/20/21 Time: 09:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
71.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.2 Wind: 13.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 13:46
15. Depth to Ground Water Depth to ground water at time of deployment: 8.45
16. Date and Time of Retrieval Date: 10/20/21 Time: 13:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
71			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 9.2/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 13:46
15. Depth to Ground Water Depth to ground water at time of deployment: 8.45
16. Date and Time of Retrieval Date: 10/20/21 Time: 13:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 9.2/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/21/21 Time: 12:18
15. Depth to Ground Water Depth to ground water at time of deployment: 46.19
16. Date and Time of Retrieval Date: 10/21/21 Time: 07:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/21/21 Time: 12:18
15. Depth to Ground Water Depth to ground water at time of deployment: 46.19
16. Date and Time of Retrieval Date: 10/21/21 Time: 07:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 14:36
15. Depth to Ground Water Depth to ground water at time of deployment: 19.34
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 17.3/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 14:36
15. Depth to Ground Water Depth to ground water at time of deployment: 19.34
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 17.3/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 09/10/21 Time: 14:43
15. Depth to Ground Water Depth to ground water at time of deployment: 21.52
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.46
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.8 Wind: 17.3/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 09/10/21 Time: 14:43
15. Depth to Ground Water Depth to ground water at time of deployment: 21.55
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.46
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.8 Wind: 17.3/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/07/21 Time: 15:02
15. Depth to Ground Water Depth to ground water at time of deployment: 5.74
16. Date and Time of Retrieval Date: 09/21/21 Time: 15:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 26.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/07/21 Time: 15:02
15. Depth to Ground Water Depth to ground water at time of deployment: 5.74
16. Date and Time of Retrieval Date: 09/21/21 Time: 15:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 26.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 4.54
16. Date and Time of Retrieval Date: 09/21/21 Time: 15:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 26.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 4.54
16. Date and Time of Retrieval Date: 09/21/21 Time: 15:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 26.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126C
4. Well Permit Number: E201405729
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/07/21 Time: 14:52
15. Depth to Ground Water Depth to ground water at time of deployment: 3.96
16. Date and Time of Retrieval Date: 09/21/21 Time: 15:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 26.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126C
4. Well Permit Number: E201405729
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/07/21 Time: 14:52
15. Depth to Ground Water Depth to ground water at time of deployment: 3.96
16. Date and Time of Retrieval Date: 09/21/21 Time: 15:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 26.1 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 12:43
15. Depth to Ground Water Depth to ground water at time of deployment: 11.14
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.2			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 12:43
15. Depth to Ground Water Depth to ground water at time of deployment: 11.14
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.2			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3

9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/10/21 Time: 12:48
15. Depth to Ground Water Depth to ground water at time of deployment: 11.51
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 12:48
15. Depth to Ground Water Depth to ground water at time of deployment: 11.51
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 21.32
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 13.8/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 21.32
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 13.8/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136
4. Well Permit Number: E201113727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 19
10. Screened interval/open hole (fbgs) 9 - 19
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 8.08
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136
4. Well Permit Number: E201113727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 19
10. Screened interval/open hole (fbgs) 9 - 19
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 8.08
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136B
4. Well Permit Number: E201416041
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/03/21 Time: 14:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.35
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
44.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136B
4. Well Permit Number: E201416041
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/03/21 Time: 14:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.35
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136C
4. Well Permit Number: E201415879
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/03/21 Time: 14:44
15. Depth to Ground Water Depth to ground water at time of deployment: 7.63
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
94.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136C
4. Well Permit Number: E201415879
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/03/21 Time: 14:44
15. Depth to Ground Water Depth to ground water at time of deployment: 7.63
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 13.39
16. Date and Time of Retrieval Date: 09/27/21 Time: 12:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.41
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19.4			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 13.39
16. Date and Time of Retrieval Date: 09/27/21 Time: 12:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.41
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.4			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 11:43
15. Depth to Ground Water Depth to ground water at time of deployment: 12.43
16. Date and Time of Retrieval Date: 09/27/21 Time: 12:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 11:43
15. Depth to Ground Water Depth to ground water at time of deployment: 12.43
16. Date and Time of Retrieval Date: 09/27/21 Time: 12:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53
9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 11:51
15. Depth to Ground Water Depth to ground water at time of deployment: 12.53
16. Date and Time of Retrieval Date: 09/27/21 Time: 12:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53
9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 11:51
15. Depth to Ground Water Depth to ground water at time of deployment: 12.53
16. Date and Time of Retrieval Date: 09/27/21 Time: 12:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 15.0/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-145A
4. Well Permit Number: E201204688
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 27.5
10. Screened interval/open hole (fbgs) 17.5 - 27.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 08:53
15. Depth to Ground Water Depth to ground water at time of deployment: 17.21
16. Date and Time of Retrieval Date: 09/27/21 Time: 09:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-145A
4. Well Permit Number: E201204688
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 27.5
10. Screened interval/open hole (fbgs) 17.5 - 27.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 08:53
15. Depth to Ground Water Depth to ground water at time of deployment: 17.21
16. Date and Time of Retrieval Date: 09/27/21 Time: 09:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146A
4. Well Permit Number: E201204689
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.51
9. Total Well Depth (fbgs) 27.1
10. Screened interval/open hole (fbgs) 17.1 - 27.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/29/21 Time: 15:50
15. Depth to Ground Water Depth to ground water at time of deployment: 16.67
16. Date and Time of Retrieval Date: 10/25/21 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146B
4. Well Permit Number: E201306327
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 42 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 31.06
16. Date and Time of Retrieval Date: 10/25/21 Time: 13:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 3.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146C
4. Well Permit Number: E201306326
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/28/21 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 33.53
16. Date and Time of Retrieval Date: 10/25/21 Time: 13:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 34.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 5.8/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 13:59
15. Depth to Ground Water Depth to ground water at time of deployment: 21.65
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.84
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.1			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 13:59
15. Depth to Ground Water Depth to ground water at time of deployment: 21.65
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.84
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.1			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/10/21 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 20.29
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/10/21 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 20.29
16. Date and Time of Retrieval Date: 09/27/21 Time: 13:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
44.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 18.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 13.8/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/17/21 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 13.03
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.0 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/17/21 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 13.03
16. Date and Time of Retrieval Date: 10/20/21 Time: 11:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.0 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170BR
4. Well Permit Number: E201510907
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/17/21 Time: 10:37
15. Depth to Ground Water Depth to ground water at time of deployment: 12.63
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.0 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170BR
4. Well Permit Number: E201510907
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/17/21 Time: 10:37
15. Depth to Ground Water Depth to ground water at time of deployment: 12.63
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.0 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 08:33
15. Depth to Ground Water Depth to ground water at time of deployment: 14.51
16. Date and Time of Retrieval Date: 09/27/21 Time: 09:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 08:33
15. Depth to Ground Water Depth to ground water at time of deployment: 14.51
16. Date and Time of Retrieval Date: 09/27/21 Time: 09:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 08:25
15. Depth to Ground Water Depth to ground water at time of deployment: 14.62
16. Date and Time of Retrieval Date: 09/27/21 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/10/21 Time: 08:25
15. Depth to Ground Water Depth to ground water at time of deployment: 14.62
16. Date and Time of Retrieval Date: 09/27/21 Time: 09:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 08:42
15. Depth to Ground Water Depth to ground water at time of deployment: 12.88
16. Date and Time of Retrieval Date: 09/27/21 Time: 08:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 08:42
15. Depth to Ground Water Depth to ground water at time of deployment: 12.88
16. Date and Time of Retrieval Date: 09/27/21 Time: 08:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
66.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.2 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/21 Time: 16:49
15. Depth to Ground Water Depth to ground water at time of deployment: 33.22
16. Date and Time of Retrieval Date: 10/25/21 Time: 14:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/21 Time: 16:49
15. Depth to Ground Water Depth to ground water at time of deployment: 33.22
16. Date and Time of Retrieval Date: 10/25/21 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-174
4. Well Permit Number: E201303564
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 28 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/17/21 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 11.24
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:29
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-174
4. Well Permit Number: E201303564
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 28 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/17/21 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 11.24
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 8.33
16. Date and Time of Retrieval Date: 09/22/21 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 15.0/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 8.33
16. Date and Time of Retrieval Date: 09/22/21 Time: 11:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 15.0/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4

9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/08/21 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.16
16. Date and Time of Retrieval Date: 09/22/21 Time: 11:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 24.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 15.0/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.16
16. Date and Time of Retrieval Date: 09/22/21 Time: 11:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 15.0/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 7.84
16. Date and Time of Retrieval Date: 09/22/21 Time: 10:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 7.84
16. Date and Time of Retrieval Date: 09/22/21 Time: 10:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/08/21 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 12.43
16. Date and Time of Retrieval Date: 09/22/21 Time: 10:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.8 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 12.43
16. Date and Time of Retrieval Date: 09/22/21 Time: 10:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 11.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-204C
4. Well Permit Number: E201304823
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 76.5
10. Screened interval/open hole (fbgs) 56.5 - 76.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 14:18
15. Depth to Ground Water Depth to ground water at time of deployment: 14.57
16. Date and Time of Retrieval Date: 10/22/21 Time: 09:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 6.9/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2
9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 12:59
15. Depth to Ground Water Depth to ground water at time of deployment: 2.18
16. Date and Time of Retrieval Date: 10/20/21 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2
9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 12:59
15. Depth to Ground Water Depth to ground water at time of deployment: 2.18
16. Date and Time of Retrieval Date: 10/20/21 Time: 12:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/17/21 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 3.48
16. Date and Time of Retrieval Date: 10/20/21 Time: 11:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.8 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 3.48
16. Date and Time of Retrieval Date: 10/20/21 Time: 11:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Bm

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4

9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/07/21 Time: 11:23
15. Depth to Ground Water Depth to ground water at time of deployment: 1.22
16. Date and Time of Retrieval Date: 09/21/21 Time: 11:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 23.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 11:23
15. Depth to Ground Water Depth to ground water at time of deployment: 1.22
16. Date and Time of Retrieval Date: 09/21/21 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
6.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 11:15
15. Depth to Ground Water Depth to ground water at time of deployment: 5
16. Date and Time of Retrieval Date: 09/21/21 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 11:15
15. Depth to Ground Water Depth to ground water at time of deployment: 5
16. Date and Time of Retrieval Date: 09/21/21 Time: 11:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
44.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 11:03
15. Depth to Ground Water Depth to ground water at time of deployment: 7.73
16. Date and Time of Retrieval Date: 09/21/21 Time: 11:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
61.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 8.1/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 11:03
15. Depth to Ground Water Depth to ground water at time of deployment: 6.97
16. Date and Time of Retrieval Date: 09/21/21 Time: 11:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.9 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 8.1/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 2.68
16. Date and Time of Retrieval Date: 09/22/21 Time: 09:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 2.68
16. Date and Time of Retrieval Date: 09/22/21 Time: 09:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 2.73
16. Date and Time of Retrieval Date: 09/22/21 Time: 09:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 11.5/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 2.73
16. Date and Time of Retrieval Date: 09/22/21 Time: 09:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 8.1/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 11.5/S ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213B
4. Well Permit Number: E201311462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/21 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 27.01
16. Date and Time of Retrieval Date: 10/25/21 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 27.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 3.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213C
4. Well Permit Number: E201311466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/28/21 Time: 13:29
15. Depth to Ground Water Depth to ground water at time of deployment: 29.09
16. Date and Time of Retrieval Date: 10/25/21 Time: 08:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214A
4. Well Permit Number: E201311468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 20 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/21 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 18.23
16. Date and Time of Retrieval Date: 10/21/21 Time: 15:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 3.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214B
4. Well Permit Number: E201312148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/21 Time: 12:42
15. Depth to Ground Water Depth to ground water at time of deployment: 17.72
16. Date and Time of Retrieval Date: 10/21/21 Time: 15:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 3.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 10.4/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214C
4. Well Permit Number: E201311480
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/21 Time: 13:02
15. Depth to Ground Water Depth to ground water at time of deployment: 18.57
16. Date and Time of Retrieval Date: 10/21/21 Time: 15:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 3.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 12.7/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-215C
4. Well Permit Number: E201311204
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 08:52
15. Depth to Ground Water Depth to ground water at time of deployment: 8.95
16. Date and Time of Retrieval Date: 10/22/21 Time: 15:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-216C
4. Well Permit Number: E201311207
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 09:34
15. Depth to Ground Water Depth to ground water at time of deployment: 20.8
16. Date and Time of Retrieval Date: 10/25/21 Time: 12:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 5.8/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.1 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222
4. Well Permit Number: E201313503
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/28/21 Time: 14:44
15. Depth to Ground Water Depth to ground water at time of deployment: 20.98
16. Date and Time of Retrieval Date: 10/25/21 Time: 09:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 8.1/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222C
4. Well Permit Number: E201311482
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 257
10. Screened interval/open hole (fbgs) 247 - 257
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/21 Time: 14:55
15. Depth to Ground Water Depth to ground water at time of deployment: 29.75
16. Date and Time of Retrieval Date: 10/25/21 Time: 09:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.58
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
254.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 8.1/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-230C
4. Well Permit Number: E201315813
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 80.8
10. Screened interval/open hole (fbgs) 60.8 - 80.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/21 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 3
16. Date and Time of Retrieval Date: 10/21/21 Time: 09:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236B
4. Well Permit Number: E201312196
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/21 Time: 12:33
15. Depth to Ground Water Depth to ground water at time of deployment: 9.4
16. Date and Time of Retrieval Date: 10/25/21 Time: 09:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 3.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236C
4. Well Permit Number: E201312197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/21 Time: 12:25
15. Depth to Ground Water Depth to ground water at time of deployment: 11.07
16. Date and Time of Retrieval Date: 10/25/21 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/03/21 Time: 11:08
15. Depth to Ground Water Depth to ground water at time of deployment: 16.19
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55

9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 09/03/21 Time: 11:08
15. Depth to Ground Water Depth to ground water at time of deployment: 16.19
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 27.61
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 27.61
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
111.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-238C
4. Well Permit Number: E201312547
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 69.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/21 Time: 15:07
15. Depth to Ground Water Depth to ground water at time of deployment: 11.89
16. Date and Time of Retrieval Date: 10/22/21 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/25/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-243B
4. Well Permit Number: E201401692
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 51.1
10. Screened interval/open hole (fbgs) 31.1 - 51.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/17/21 Time: 14:19
15. Depth to Ground Water Depth to ground water at time of deployment: 9.98
16. Date and Time of Retrieval Date: 10/20/21 Time: 13:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 9.2/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-243B
4. Well Permit Number: E201401692
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 51.1
10. Screened interval/open hole (fbgs) 31.1 - 51.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/17/21 Time: 14:19
15. Depth to Ground Water Depth to ground water at time of deployment: 9.98
16. Date and Time of Retrieval Date: 10/20/21 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 9.2/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 16:08
15. Depth to Ground Water Depth to ground water at time of deployment: 13.81
16. Date and Time of Retrieval Date: 10/25/21 Time: 10:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 16:08
15. Depth to Ground Water Depth to ground water at time of deployment: 13.81
16. Date and Time of Retrieval Date: 10/25/21 Time: 11:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 16:04
15. Depth to Ground Water Depth to ground water at time of deployment: 13.7
16. Date and Time of Retrieval Date: 10/25/21 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 16:04
15. Depth to Ground Water Depth to ground water at time of deployment: 13.7
16. Date and Time of Retrieval Date: 10/25/21 Time: 10:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258B
4. Well Permit Number: E201315392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 59 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 11:22
15. Depth to Ground Water Depth to ground water at time of deployment: 53.57
16. Date and Time of Retrieval Date: 10/25/21 Time: 10:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 10.4/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258C
4. Well Permit Number: E201314458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 105 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 59.23
16. Date and Time of Retrieval Date: 10/25/21 Time: 10:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 61.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
107.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 3.5/WSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-259BR
4. Well Permit Number: E202010337
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/21 Time: 09:51
15. Depth to Ground Water Depth to ground water at time of deployment: 4.58
16. Date and Time of Retrieval Date: 10/21/21 Time: 11:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 6.9/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/20/21 Time: 13:59
15. Depth to Ground Water Depth to ground water at time of deployment: 53.17
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 57.13
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/03/21 Time: 13:59
15. Depth to Ground Water Depth to ground water at time of deployment: 53.17
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 57.13
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
61.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 59.85
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 62.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
121.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 59.85
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 62.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265B
4. Well Permit Number: E201318473
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 11:52
15. Depth to Ground Water Depth to ground water at time of deployment: 6.22
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 9.2/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265B
4. Well Permit Number: E201318473
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 11:52
15. Depth to Ground Water Depth to ground water at time of deployment: 6.22
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 9.2/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265C
4. Well Permit Number: E201403229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33

9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/03/21 Time: 12:04
15. Depth to Ground Water Depth to ground water at time of deployment: 9.69
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
91.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 20.0 Wind: 9.2/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265C
4. Well Permit Number: E201403229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/03/21 Time: 12:04
15. Depth to Ground Water Depth to ground water at time of deployment: 9.69
16. Date and Time of Retrieval Date: 09/20/21 Time: 11:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 9.2/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266A
4. Well Permit Number: E201318470
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 37.8
10. Screened interval/open hole (fbgs) 27.8 - 37.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 09:38
15. Depth to Ground Water Depth to ground water at time of deployment: 1.76
16. Date and Time of Retrieval Date: 09/20/21 Time: 10:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266A
4. Well Permit Number: E201318470
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 37.8
10. Screened interval/open hole (fbgs) 27.8 - 37.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 09:38
15. Depth to Ground Water Depth to ground water at time of deployment: 1.76
16. Date and Time of Retrieval Date: 09/20/21 Time: 10:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 2.91
16. Date and Time of Retrieval Date: 09/20/21 Time: 09:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
61.7			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 2.91
16. Date and Time of Retrieval Date: 09/20/21 Time: 09:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.7			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 5.27
16. Date and Time of Retrieval Date: 09/20/21 Time: 09:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 5.27
16. Date and Time of Retrieval Date: 09/20/21 Time: 10:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
86.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 8.1/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267A
4. Well Permit Number: E201400817
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 56
10. Screened interval/open hole (fbgs) 46 - 56
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 07:53
15. Depth to Ground Water Depth to ground water at time of deployment: 29.42
16. Date and Time of Retrieval Date: 10/22/21 Time: 07:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 8.1/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267B
4. Well Permit Number: E201318590
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 105
10. Screened interval/open hole (fbgs) 95 - 105
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 07:30
15. Depth to Ground Water Depth to ground water at time of deployment: 24.13
16. Date and Time of Retrieval Date: 10/25/21 Time: 08:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 13:37
15. Depth to Ground Water Depth to ground water at time of deployment: 46.38
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 13:37
15. Depth to Ground Water Depth to ground water at time of deployment: 46.38
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 13:28
15. Depth to Ground Water Depth to ground water at time of deployment: 48.9
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.46
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
121.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 13:28
15. Depth to Ground Water Depth to ground water at time of deployment: 48.9
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.46
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 15:18
15. Depth to Ground Water Depth to ground water at time of deployment: 52.34
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 55.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
60.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 17.3/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 15:18
15. Depth to Ground Water Depth to ground water at time of deployment: 52.34
16. Date and Time of Retrieval Date: 09/27/21 Time: 14:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 55.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 17.3/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 12.7/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 14:14
15. Depth to Ground Water Depth to ground water at time of deployment: 32.21
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.2 Wind: 13.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 14:14
15. Depth to Ground Water Depth to ground water at time of deployment: 32.21
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
56.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.2 Wind: 13.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/08/21 Time: 14:22
15. Depth to Ground Water Depth to ground water at time of deployment: 44.26
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 14:22
15. Depth to Ground Water Depth to ground water at time of deployment: 44.26
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
91.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 14:03
15. Depth to Ground Water Depth to ground water at time of deployment: 47.85
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.2 Wind: 13.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/08/21 Time: 14:03
15. Depth to Ground Water Depth to ground water at time of deployment: 47.85
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
126.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 27.2 Wind: 13.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273B
4. Well Permit Number: E201401462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49

9. Total Well Depth (fbgs) 51.47
10. Screened interval/open hole (fbgs) 41.47 - 51.47
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/21 Time: 08:18
15. Depth to Ground Water Depth to ground water at time of deployment: 4.99
16. Date and Time of Retrieval Date: 10/21/21 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.0 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273C
4. Well Permit Number: E201401463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 102.17
10. Screened interval/open hole (fbgs) 92.17 - 102.17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 08:36
15. Depth to Ground Water Depth to ground water at time of deployment: 4.58
16. Date and Time of Retrieval Date: 10/21/21 Time: 09:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274A
4. Well Permit Number: E201404620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 11:56
15. Depth to Ground Water Depth to ground water at time of deployment: 4.51
16. Date and Time of Retrieval Date: 10/20/21 Time: 11:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274A
4. Well Permit Number: E201404620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 11:56
15. Depth to Ground Water Depth to ground water at time of deployment: 4.51
16. Date and Time of Retrieval Date: 10/20/21 Time: 11:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274B
4. Well Permit Number: E201404621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 65
10. Screened interval/open hole (fbgs) 55 - 65
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 11:14
15. Depth to Ground Water Depth to ground water at time of deployment: 8.73
16. Date and Time of Retrieval Date: 10/20/21 Time: 11:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
56.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274B
4. Well Permit Number: E201404621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 65
10. Screened interval/open hole (fbgs) 55 - 65
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 11:14
15. Depth to Ground Water Depth to ground water at time of deployment: 8.73
16. Date and Time of Retrieval Date: 10/20/21 Time: 11:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274C
4. Well Permit Number: E201404622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 7.97
16. Date and Time of Retrieval Date: 10/20/21 Time: 11:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274C
4. Well Permit Number: E201404622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 7.97
16. Date and Time of Retrieval Date: 10/20/21 Time: 11:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
91.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 3.03
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.87
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 3.03
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.87
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 11:16
15. Depth to Ground Water Depth to ground water at time of deployment: 14.97
16. Date and Time of Retrieval Date: 09/27/21 Time: 11:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 11:16
15. Depth to Ground Water Depth to ground water at time of deployment: 14.97
16. Date and Time of Retrieval Date: 09/27/21 Time: 11:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276B
4. Well Permit Number: E201403621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 11:09
15. Depth to Ground Water Depth to ground water at time of deployment: 14.98
16. Date and Time of Retrieval Date: 09/27/21 Time: 11:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276B
4. Well Permit Number: E201403621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 11:09
15. Depth to Ground Water Depth to ground water at time of deployment: 14.98
16. Date and Time of Retrieval Date: 09/27/21 Time: 11:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 10:57
15. Depth to Ground Water Depth to ground water at time of deployment: 37.54
16. Date and Time of Retrieval Date: 09/27/21 Time: 11:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 10:57
15. Depth to Ground Water Depth to ground water at time of deployment: 37.54
16. Date and Time of Retrieval Date: 09/27/21 Time: 11:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
86.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 12.7/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 12.7/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52

9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/29/21 Time: 14:29
15. Depth to Ground Water Depth to ground water at time of deployment: 12.72
16. Date and Time of Retrieval Date: 10/22/21 Time: 10:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 6.9/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295A
4. Well Permit Number: E201404289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.22
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 16:34
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 17.3/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295A
4. Well Permit Number: E201404289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.22
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 16:34
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 17.3/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295C
4. Well Permit Number: E201511978
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.55
9. Total Well Depth (fbgs) 84.7
10. Screened interval/open hole (fbgs) 76.7 - 84.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/10/21 Time: 16:41
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
80.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 17.3/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295C
4. Well Permit Number: E201511978
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.55
9. Total Well Depth (fbgs) 84.7
10. Screened interval/open hole (fbgs) 76.7 - 84.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/10/21 Time: 16:41
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
79.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 17.3/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 8.9
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 8.9
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304B
4. Well Permit Number: E201510845
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 30 - 50
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 09:25
15. Depth to Ground Water Depth to ground water at time of deployment: 8.71
16. Date and Time of Retrieval Date: 09/27/21 Time: 09:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304B
4. Well Permit Number: E201510845
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 30 - 50
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 09:25
15. Depth to Ground Water Depth to ground water at time of deployment: 8.71
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304C
4. Well Permit Number: E201510846
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 09:04
15. Depth to Ground Water Depth to ground water at time of deployment: 6.21
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304C
4. Well Permit Number: E201510846
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/10/21 Time: 09:04
15. Depth to Ground Water Depth to ground water at time of deployment: 6.21
16. Date and Time of Retrieval Date: 09/27/21 Time: 10:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 11.5/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 4.77
16. Date and Time of Retrieval Date: 09/21/21 Time: 13:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 4.6/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 4.77
16. Date and Time of Retrieval Date: 09/21/21 Time: 13:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 4.6/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 12:40
15. Depth to Ground Water Depth to ground water at time of deployment: 6.01
16. Date and Time of Retrieval Date: 09/21/21 Time: 13:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 4.6/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 12:40
15. Depth to Ground Water Depth to ground water at time of deployment: 6.01
16. Date and Time of Retrieval Date: 09/21/21 Time: 13:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 4.6/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 13:18
15. Depth to Ground Water Depth to ground water at time of deployment: 3.75
16. Date and Time of Retrieval Date: 09/21/21 Time: 13:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 4.6/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 13:18
15. Depth to Ground Water Depth to ground water at time of deployment: 3.75
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 24.4 Wind: 4.6/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 4.02
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 4.02
16. Date and Time of Retrieval Date: 09/21/21 Time: 14:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
91.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-351C
4. Well Permit Number: E201409431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 87.52
10. Screened interval/open hole (fbgs) 62.52 - 87.52
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 10:23
15. Depth to Ground Water Depth to ground water at time of deployment: 16.21
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.0 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-351C
4. Well Permit Number: E201409431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 87.52
10. Screened interval/open hole (fbgs) 62.52 - 87.52
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/17/21 Time: 10:23
15. Depth to Ground Water Depth to ground water at time of deployment: 16.21
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
61.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.0 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/08/21 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 27.35
16. Date and Time of Retrieval Date: 09/22/21 Time: 12:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Np

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/08/21 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 27.35
16. Date and Time of Retrieval Date: 09/22/21 Time: 12:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/08/21 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 27.79
16. Date and Time of Retrieval Date: 09/22/21 Time: 12:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☒ **No**, this well is being profiled during this sampling round
   ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/08/21 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 27.79
16. Date and Time of Retrieval Date: 09/22/21 Time: 12:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☒ **No**, this well is being profiled during this sampling round
   ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45

9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 09/08/21 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 41.84
16. Date and Time of Retrieval Date: 09/22/21 Time: 12:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
125			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 15.0/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/08/21 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 41.84
16. Date and Time of Retrieval Date: 09/22/21 Time: 12:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 25.0 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 15.0/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-357A
4. Well Permit Number: E201409766
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 25.4
10. Screened interval/open hole (fbgs) 15.4 - 25.4
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/20/21 Time: 15:54
15. Depth to Ground Water Depth to ground water at time of deployment: 8.73
16. Date and Time of Retrieval Date: 10/20/21 Time: 15:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
20.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-357A
4. Well Permit Number: E201409766
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 25.4
10. Screened interval/open hole (fbgs) 15.4 - 25.4
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/20/21 Time: 15:54
15. Depth to Ground Water Depth to ground water at time of deployment: 8.73
16. Date and Time of Retrieval Date: 10/20/21 Time: 15:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 23.3 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-366B
4. Well Permit Number: E201412402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 16:06
15. Depth to Ground Water Depth to ground water at time of deployment: 10.78
16. Date and Time of Retrieval Date: 10/22/21 Time: 13:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 4.6/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373B
4. Well Permit Number: E201502842
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 09:44
15. Depth to Ground Water Depth to ground water at time of deployment: 39.49
16. Date and Time of Retrieval Date: 10/20/21 Time: 09:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
74.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373B
4. Well Permit Number: E201502842
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3

9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/17/21 Time: 09:44
15. Depth to Ground Water Depth to ground water at time of deployment: 39.49
16. Date and Time of Retrieval Date: 10/20/21 Time: 09:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 09:31
15. Depth to Ground Water Depth to ground water at time of deployment: 39.68
16. Date and Time of Retrieval Date: 10/20/21 Time: 09:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/17/21 Time: 09:31
15. Depth to Ground Water Depth to ground water at time of deployment: 39.68
16. Date and Time of Retrieval Date: 10/20/21 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
114.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.1 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 09/08/21 Time: 14:53
15. Depth to Ground Water Depth to ground water at time of deployment: 24.38
16. Date and Time of Retrieval Date: 09/22/21 Time: 15:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/08/21 Time: 14:53
15. Depth to Ground Water Depth to ground water at time of deployment: 24.68
16. Date and Time of Retrieval Date: 09/22/21 Time: 15:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 25.67
16. Date and Time of Retrieval Date: 09/22/21 Time: 15:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 25.67
16. Date and Time of Retrieval Date: 09/22/21 Time: 15:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
69.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/08/21 Time: 14:47
15. Depth to Ground Water Depth to ground water at time of deployment: 39.87
16. Date and Time of Retrieval Date: 09/22/21 Time: 14:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/08/21 Time: 14:47
15. Depth to Ground Water Depth to ground water at time of deployment: 39.87
16. Date and Time of Retrieval Date: 09/22/21 Time: 15:01
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
126.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 27.8 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376B
4. Well Permit Number: E201414290
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 86
10. Screened interval/open hole (fbgs) 76 - 86
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 12:56
15. Depth to Ground Water Depth to ground water at time of deployment: 39.43
16. Date and Time of Retrieval Date: 09/22/21 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376B
4. Well Permit Number: E201414290
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 86
10. Screened interval/open hole (fbgs) 76 - 86
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 12:56
15. Depth to Ground Water Depth to ground water at time of deployment: 39.43
16. Date and Time of Retrieval Date: 09/22/21 Time: 13:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
80.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/08/21 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 49.68
16. Date and Time of Retrieval Date: 09/22/21 Time: 13:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 27.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31

9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/08/21 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 49.68
16. Date and Time of Retrieval Date: 09/22/21 Time: 13:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
119.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 27.8 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 12.7/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31

9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/03/21 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 44.01
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
86.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 44.01
16. Date and Time of Retrieval Date: 09/20/21 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/03/21 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 44.25
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.02
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
110.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/03/21 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 44.25
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.02
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
109.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 9.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-383A
4. Well Permit Number: E201415541
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.35
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 16:50
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 02/18/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 17.3/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-383A
4. Well Permit Number: E201415541
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.35
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/10/21 Time: 16:50
15. Depth to Ground Water Depth to ground water at time of deployment: 9999
16. Date and Time of Retrieval Date: 09/27/21 Time: 15:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 02/18/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 17.3/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-391C
4. Well Permit Number: E201415873
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 123.6
10. Screened interval/open hole (fbgs) 113.6 - 123.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 09:05
15. Depth to Ground Water Depth to ground water at time of deployment: 17.04
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 6.9/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-391C
4. Well Permit Number: E201415873
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 123.6
10. Screened interval/open hole (fbgs) 113.6 - 123.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/17/21 Time: 09:05
15. Depth to Ground Water Depth to ground water at time of deployment: 17.04
16. Date and Time of Retrieval Date: 10/20/21 Time: 10:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
114.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.0 Wind: 6.9/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-394C
4. Well Permit Number: E201415860
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.72
9. Total Well Depth (fbgs) 103
10. Screened interval/open hole (fbgs) 93 - 103
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/29/21 Time: 12:05
15. Depth to Ground Water Depth to ground water at time of deployment: 11.55
16. Date and Time of Retrieval Date: 10/21/21 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/03/21 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 7.99
16. Date and Time of Retrieval Date: 09/20/21 Time: 15:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/03/21 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 7.99
16. Date and Time of Retrieval Date: 09/20/21 Time: 15:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/20/21 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.41
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 09/03/21 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.41
16. Date and Time of Retrieval Date: 09/20/21 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416C
4. Well Permit Number: E201501192
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5

9. Total Well Depth (fbgs) 115
10. Screened interval/open hole (fbgs) 105 - 115
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 09/03/21 Time: 15:03
15. Depth to Ground Water Depth to ground water at time of deployment: 10.78
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
105.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416C
4. Well Permit Number: E201501192
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 115
10. Screened interval/open hole (fbgs) 105 - 115
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/03/21 Time: 15:03
15. Depth to Ground Water Depth to ground water at time of deployment: 10.78
16. Date and Time of Retrieval Date: 09/20/21 Time: 14:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
104.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-453C2
4. Well Permit Number: E201509739
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 90 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/21 Time: 15:26
15. Depth to Ground Water Depth to ground water at time of deployment: 12.6
16. Date and Time of Retrieval Date: 10/22/21 Time: 12:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 6.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-457C1
4. Well Permit Number: E201509602
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/28/21 Time: 15:12
15. Depth to Ground Water Depth to ground water at time of deployment: 10.18
16. Date and Time of Retrieval Date: 10/22/21 Time: 12:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.1 Wind: 8.1/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 6.9/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 10:18
15. Depth to Ground Water Depth to ground water at time of deployment: 5.87
16. Date and Time of Retrieval Date: 09/21/21 Time: 10:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.87
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 8.1/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 10:18
15. Depth to Ground Water Depth to ground water at time of deployment: 5.87
16. Date and Time of Retrieval Date: 09/21/21 Time: 10:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.87
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 8.1/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 10:06
15. Depth to Ground Water Depth to ground water at time of deployment: 5.55
16. Date and Time of Retrieval Date: 09/21/21 Time: 10:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.67
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/07/21 Time: 10:06
15. Depth to Ground Water Depth to ground water at time of deployment: 5.55
16. Date and Time of Retrieval Date: 09/21/21 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.67
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-487A
4. Well Permit Number: E201511649
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 09/28/21 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 6.03
16. Date and Time of Retrieval Date: 10/21/21 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 19.4 Wind: 5.8/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 15.0/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-495B
4. Well Permit Number: E201514806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -1.05
9. Total Well Depth (fbgs) 50.5
10. Screened interval/open hole (fbgs) 40.5 - 50.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/21 Time: 15:30
15. Depth to Ground Water Depth to ground water at time of deployment: 10
16. Date and Time of Retrieval Date: 10/22/21 Time: 14:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-503C
4. Well Permit Number: E201701479
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 80.5
10. Screened interval/open hole (fbgs) 60.5 - 80.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 09/29/21 Time: 15:24
15. Depth to Ground Water Depth to ground water at time of deployment: 10.92
16. Date and Time of Retrieval Date: 10/22/21 Time: 14:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2021-09-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

Attachment 5

Groundwater Sampling Sheets – 2Q 2022

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 66RI-MW4
4. Well Permit Number: E201304931
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 15.4
10. Screened interval/open hole (fbgs) 8.4 - 15.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/03/22 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 8.48
16. Date and Time of Retrieval Date: 06/01/22 Time: 16:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 131RI-MW1
4. Well Permit Number: E201306020
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 15.8
10. Screened interval/open hole (fbgs) 7.8 - 15.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 131RI-MW1
4. Well Permit Number: E201306020
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 15.8
10. Screened interval/open hole (fbgs) 7.8 - 15.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/03/22 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 9.64
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
17.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 8.1/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 138RI-MW1R
4. Well Permit Number: E202010338
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 32
10. Screened interval/open hole (fbgs) 22 - 32
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/03/22 Time: 13:35
15. Depth to Ground Water Depth to ground water at time of deployment: 6.33
16. Date and Time of Retrieval Date: 06/03/22 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 8.1/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 187RI-MW2
4. Well Permit Number: E201305798
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 2 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/03/22 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 5.09
16. Date and Time of Retrieval Date: 05/31/22 Time: 12:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 32.2 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 187RI-MW2
4. Well Permit Number: E201305798
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 2 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 12:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 32.2 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: ART-MW-6BR
4. Well Permit Number: E201501062
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.21
9. Total Well Depth (fbgs) 42.5
10. Screened interval/open hole (fbgs) 27.5 - 42.5
11. Well Casing: Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 15:35
15. Depth to Ground Water Depth to ground water at time of deployment: 14.18
16. Date and Time of Retrieval Date: 06/02/22 Time: 15:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Nylon
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 9.2/ESE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 58.77
16. Date and Time of Retrieval Date: 05/31/22 Time: 12:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.75
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
133.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 32.2 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 61.11
16. Date and Time of Retrieval Date: 05/31/22 Time: 12:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 61.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
277.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 32.2 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3B
4. Well Permit Number: E201218158
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 122
10. Screened interval/open hole (fbgs) 112 - 122
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 47.47
16. Date and Time of Retrieval Date: 06/06/22 Time: 07:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.39
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
114.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: / ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 08:25
15. Depth to Ground Water Depth to ground water at time of deployment: 80.91
16. Date and Time of Retrieval Date: 06/06/22 Time: 07:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 80.5
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: / ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4C
4. Well Permit Number: E201306325
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45

9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 117 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/05/22 Time: 14:45
15. Depth to Ground Water Depth to ground water at time of deployment: 40.94
16. Date and Time of Retrieval Date: 06/06/22 Time: 11:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.78
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4D
4. Well Permit Number: E201306324
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 25.74
16. Date and Time of Retrieval Date: 06/06/22 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.98
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6B
4. Well Permit Number: E201218159
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 114.6
10. Screened interval/open hole (fbgs) 104.6 - 114.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 20.52
16. Date and Time of Retrieval Date: 06/06/22 Time: 13:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.34
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 4.6/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6C
4. Well Permit Number: E201218160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.6
9. Total Well Depth (fbgs) 291
10. Screened interval/open hole (fbgs) 281 - 291
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 20.86
16. Date and Time of Retrieval Date: 06/06/22 Time: 13:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.55
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
288.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 4.6/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6D
4. Well Permit Number: E201301046
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 497.9
10. Screened interval/open hole (fbgs) 472.9 - 497.9
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 21.23
16. Date and Time of Retrieval Date: 06/06/22 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.82
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
495.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 4.6/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 18.24
16. Date and Time of Retrieval Date: 06/02/22 Time: 08:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/05/22 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 19.94
16. Date and Time of Retrieval Date: 06/02/22 Time: 08:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.44
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 17.8 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 20.59
16. Date and Time of Retrieval Date: 06/02/22 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.39
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
342.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 22.31
16. Date and Time of Retrieval Date: 06/02/22 Time: 08:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.43
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.8 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 23.84
16. Date and Time of Retrieval Date: 06/01/22 Time: 10:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.1
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 10:33
15. Depth to Ground Water Depth to ground water at time of deployment: 30.09
16. Date and Time of Retrieval Date: 06/01/22 Time: 09:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
189.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 4.6/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8C
4. Well Permit Number: E201217463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.5
9. Total Well Depth (fbgs) 307
10. Screened interval/open hole (fbgs) 297 - 307
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 10:17
15. Depth to Ground Water Depth to ground water at time of deployment: 30.94
16. Date and Time of Retrieval Date: 06/01/22 Time: 09:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.92
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
304.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 4.6/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-9A
4. Well Permit Number: E201217454
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 95.1
10. Screened interval/open hole (fbgs) 85.1 - 95.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 18.71
16. Date and Time of Retrieval Date: 06/06/22 Time: 12:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.27
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11B
4. Well Permit Number: E201300242
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/05/22 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 7.41
16. Date and Time of Retrieval Date: 06/06/22 Time: 10:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.2
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 20.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11D
4. Well Permit Number: E201300243
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 13:45
15. Depth to Ground Water Depth to ground water at time of deployment: 8.73
16. Date and Time of Retrieval Date: 06/06/22 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.31
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12A
4. Well Permit Number: E201300227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 134
10. Screened interval/open hole (fbgs) 124 - 134
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 17.22
16. Date and Time of Retrieval Date: 06/03/22 Time: 10:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.52
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
131.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 3.5/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12B
4. Well Permit Number: E201300228
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 181 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 23.82
16. Date and Time of Retrieval Date: 06/03/22 Time: 10:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
183.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/23/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 3.5/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12CR
4. Well Permit Number: E201412451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 520.1
10. Screened interval/open hole (fbgs) 495.1 - 520.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 23.96
16. Date and Time of Retrieval Date: 06/03/22 Time: 10:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.59
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
517.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 4.6/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 09:05
15. Depth to Ground Water Depth to ground water at time of deployment: 12.48
16. Date and Time of Retrieval Date: 06/01/22 Time: 12:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.24
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
242.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16A
4. Well Permit Number: E201300231
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.95
9. Total Well Depth (fbgs) 218.1
10. Screened interval/open hole (fbgs) 208.1 - 218.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 15.29
16. Date and Time of Retrieval Date: 06/03/22 Time: 08:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.15
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 8.1/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 4.6/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16B
4. Well Permit Number: E201300232
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.17
9. Total Well Depth (fbgs) 298.4
10. Screened interval/open hole (fbgs) 288.4 - 298.4
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 17.97
16. Date and Time of Retrieval Date: 06/03/22 Time: 08:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.7
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
294.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 9.2/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 4.6/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16C
4. Well Permit Number: E201301078
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36

9. Total Well Depth (fbgs) 444.4
10. Screened interval/open hole (fbgs) 419.4 - 444.4
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/03/22 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 0.12
16. Date and Time of Retrieval Date: 06/03/22 Time: 08:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 0
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
435.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 16.1 Wind: 8.1/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 4.6/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 13.72
16. Date and Time of Retrieval Date: 06/02/22 Time: 11:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.53
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
117.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 3.5/WSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-24
4. Well Permit Number: E201314457
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 175
10. Screened interval/open hole (fbgs) 150 - 175
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 08:25
15. Depth to Ground Water Depth to ground water at time of deployment: 69.99
16. Date and Time of Retrieval Date: 06/03/22 Time: 14:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 69.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27B
4. Well Permit Number: E201315239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 299.8
10. Screened interval/open hole (fbgs) 274.8 - 299.8
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 23.19
16. Date and Time of Retrieval Date: 06/01/22 Time: 14:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.87
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.1 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27C
4. Well Permit Number: E201402655
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 425
10. Screened interval/open hole (fbgs) 400 - 425
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 24.7
16. Date and Time of Retrieval Date: 06/01/22 Time: 14:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.68
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
422.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.1 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 51.08
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.99
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
181.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 13:05
15. Depth to Ground Water Depth to ground water at time of deployment: 51.02
16. Date and Time of Retrieval Date: 05/31/22 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.04
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
308.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 11:48
15. Depth to Ground Water Depth to ground water at time of deployment: 39.33
16. Date and Time of Retrieval Date: 06/01/22 Time: 11:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.28
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.0 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 40.46
16. Date and Time of Retrieval Date: 06/01/22 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.73
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
439.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.0 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 09:48
15. Depth to Ground Water Depth to ground water at time of deployment: 20.49
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.5
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
257.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 08:43
15. Depth to Ground Water Depth to ground water at time of deployment: 294.02
16. Date and Time of Retrieval Date: 05/31/22 Time: 08:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 292.18
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
437.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32A
4. Well Permit Number: E201318587
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 164
10. Screened interval/open hole (fbgs) 154 - 164
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 09:12
15. Depth to Ground Water Depth to ground water at time of deployment: 14.11
16. Date and Time of Retrieval Date: 05/31/22 Time: 10:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.82
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
156.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32B
4. Well Permit Number: E201315585
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 301.1
10. Screened interval/open hole (fbgs) 276.1 - 301.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 09:06
15. Depth to Ground Water Depth to ground water at time of deployment: 22.71
16. Date and Time of Retrieval Date: 05/31/22 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.49
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
298.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33A
4. Well Permit Number: E201401464
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 161.26
10. Screened interval/open hole (fbgs) 151.26 - 161.26
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 12.03
16. Date and Time of Retrieval Date: 06/01/22 Time: 15:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.52
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
152.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33B
4. Well Permit Number: E201318598
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 280.27
10. Screened interval/open hole (fbgs) 270.27 - 280.27
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 12:40
15. Depth to Ground Water Depth to ground water at time of deployment: 18.31
16. Date and Time of Retrieval Date: 06/01/22 Time: 15:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.32
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
276.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33C
4. Well Permit Number: E201402654
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 426.16
10. Screened interval/open hole (fbgs) 401.16 - 426.16
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 12:55
15. Depth to Ground Water Depth to ground water at time of deployment: 7.27
16. Date and Time of Retrieval Date: 06/01/22 Time: 15:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
417.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-34B
4. Well Permit Number: E201315235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 07:40
15. Depth to Ground Water Depth to ground water at time of deployment: 44.07
16. Date and Time of Retrieval Date: 06/03/22 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.44
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 10.4/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 4.6/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 14:45
15. Depth to Ground Water Depth to ground water at time of deployment: 56.84
16. Date and Time of Retrieval Date: 06/06/22 Time: 08:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.81
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 52.66
16. Date and Time of Retrieval Date: 06/06/22 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.97
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
178.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: / ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 82.29
16. Date and Time of Retrieval Date: 06/06/22 Time: 08:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 82.21
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
249.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 4.6/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 58.98
16. Date and Time of Retrieval Date: 06/02/22 Time: 10:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.75
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
293.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 4.6/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 4.6/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 50.78
16. Date and Time of Retrieval Date: 06/02/22 Time: 10:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.57
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
493.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 4.6/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 4.6/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 6.6
16. Date and Time of Retrieval Date: 06/01/22 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.69
16. Date and Time of Retrieval Date: 06/01/22 Time: 13:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.5
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
247.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27

9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/03/22 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 2.29
16. Date and Time of Retrieval Date: 06/01/22 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 2
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
397.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-41C
4. Well Permit Number: E201407799
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 450.1
10. Screened interval/open hole (fbgs) 425.1 - 450.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 22.28
16. Date and Time of Retrieval Date: 06/06/22 Time: 12:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.22
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 17.17
16. Date and Time of Retrieval Date: 06/06/22 Time: 12:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.64
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 10.4/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-52A
4. Well Permit Number: E201413312
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 115 - 130
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 9.04
16. Date and Time of Retrieval Date: 06/06/22 Time: 16:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.85
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 40.4
16. Date and Time of Retrieval Date: 06/06/22 Time: 15:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.11
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-64A
4. Well Permit Number: E201500412
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 235 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 49.82
16. Date and Time of Retrieval Date: 06/02/22 Time: 09:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.41
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
237.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67B
4. Well Permit Number: E201509857
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 274.9
10. Screened interval/open hole (fbgs) 264.9 - 274.9
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 24.7
16. Date and Time of Retrieval Date: 06/03/22 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.24
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
270.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 16:20
15. Depth to Ground Water Depth to ground water at time of deployment: 21.02
16. Date and Time of Retrieval Date: 06/02/22 Time: 15:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
203.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-157C2
4. Well Permit Number: E201509285
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 105.1
10. Screened interval/open hole (fbgs) 80.1 - 105.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/06/22 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 9.4
16. Date and Time of Retrieval Date: 06/06/22 Time: 14:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168B
4. Well Permit Number: E201507919
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 56.7
10. Screened interval/open hole (fbgs) 31.7 - 56.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/06/22 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 9.68
16. Date and Time of Retrieval Date: 06/06/22 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.46
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
44.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C1
4. Well Permit Number: E201507920
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 81.8
10. Screened interval/open hole (fbgs) 56.8 - 81.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/06/22 Time: 07:45
15. Depth to Ground Water Depth to ground water at time of deployment: 9.67
16. Date and Time of Retrieval Date: 06/06/22 Time: 14:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
69.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C2
4. Well Permit Number: E201507921
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 106.9
10. Screened interval/open hole (fbgs) 81.9 - 106.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/06/22 Time: 07:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.92
16. Date and Time of Retrieval Date: 06/06/22 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
94.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-197A
4. Well Permit Number: E201903466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 29.3
10. Screened interval/open hole (fbgs) 23.3 - 28.3
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 8.12
16. Date and Time of Retrieval Date: 06/02/22 Time: 14:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-199B
4. Well Permit Number: E201903468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 43.6
10. Screened interval/open hole (fbgs) 27.6 - 42.6
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/06/22 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 5.99
16. Date and Time of Retrieval Date: 06/02/22 Time: 14:49
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.35			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/03/22 Time: 07:50
15. Depth to Ground Water Depth to ground water at time of deployment: 5.03
16. Date and Time of Retrieval Date: 06/01/22 Time: 08:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2G
4. Well Permit Number: E201216676
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 4 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/03/22 Time: 07:48
15. Depth to Ground Water Depth to ground water at time of deployment: 2.47
16. Date and Time of Retrieval Date: 06/01/22 Time: 08:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-15A
4. Well Permit Number: 2600051888
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.09
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 14:35
15. Depth to Ground Water Depth to ground water at time of deployment: 7.58
16. Date and Time of Retrieval Date: 06/03/22 Time: 14:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.98
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/26/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-16
4. Well Permit Number: 2600012044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.19
9. Total Well Depth (fbgs) 13.8
10. Screened interval/open hole (fbgs) 3.8 - 13.8
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 09:30
15. Depth to Ground Water Depth to ground water at time of deployment: 3.16
16. Date and Time of Retrieval Date: 05/31/22 Time: 10:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.68
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-22A
4. Well Permit Number: 2600051883
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 44.2
10. Screened interval/open hole (fbgs) 24.2 - 44.2
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/06/22 Time: 14:55
15. Depth to Ground Water Depth to ground water at time of deployment: 7.53
16. Date and Time of Retrieval Date: 06/06/22 Time: 15:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24
4. Well Permit Number: 2600036932
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -5.7
9. Total Well Depth (fbgs) 41.7
10. Screened interval/open hole (fbgs) 31.7 - 41.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/02/22 Time: 11:02
15. Depth to Ground Water Depth to ground water at time of deployment: 16.82
16. Date and Time of Retrieval Date: 06/01/22 Time: 10:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.41
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24C
4. Well Permit Number: E201316485
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 49.4
10. Screened interval/open hole (fbgs) 29.4 - 49.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/06/22 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 15.96
16. Date and Time of Retrieval Date: 06/06/22 Time: 15:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/19/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 11.96
16. Date and Time of Retrieval Date: 06/01/22 Time: 11:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 13:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.69
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.3 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 8.28
16. Date and Time of Retrieval Date: 05/31/22 Time: 13:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.69
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.3 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44B
4. Well Permit Number: E201304514
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45.1
10. Screened interval/open hole (fbgs) 35.1 - 45.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 15:25
15. Depth to Ground Water Depth to ground water at time of deployment: 12.11
16. Date and Time of Retrieval Date: 06/01/22 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44C
4. Well Permit Number: E201302491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 81.3
10. Screened interval/open hole (fbgs) 61.3 - 81.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 15:40
15. Depth to Ground Water Depth to ground water at time of deployment: 17.46
16. Date and Time of Retrieval Date: 06/01/22 Time: 15:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 10.4/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/04/22 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 47.49
16. Date and Time of Retrieval Date: 06/06/22 Time: 07:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.64
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-58
4. Well Permit Number: 2600068227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 36
10. Screened interval/open hole (fbgs) 21 - 36
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 08:17
15. Depth to Ground Water Depth to ground water at time of deployment: 17.55
16. Date and Time of Retrieval Date: 05/31/22 Time: 08:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 3.5/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-58
4. Well Permit Number: 2600068227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 36
10. Screened interval/open hole (fbgs) 21 - 36
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 08:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
33.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-80C
4. Well Permit Number: E201316488
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.32
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/02/22 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 17.21
16. Date and Time of Retrieval Date: 06/01/22 Time: 10:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.7 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-102
4. Well Permit Number: P200804386
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/06/22 Time: 09:25
15. Depth to Ground Water Depth to ground water at time of deployment: 7.62
16. Date and Time of Retrieval Date: 06/06/22 Time: 14:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.35
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 05/04/22 Time: 12:05
15. Depth to Ground Water Depth to ground water at time of deployment: 0.6
16. Date and Time of Retrieval Date: 06/03/22 Time: 13:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.69
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/05/22 Time: 12:25
15. Depth to Ground Water Depth to ground water at time of deployment: 2.23
16. Date and Time of Retrieval Date: 06/06/22 Time: 09:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.92
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 6.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/05/22 Time: 12:15
15. Depth to Ground Water Depth to ground water at time of deployment: 2.09
16. Date and Time of Retrieval Date: 06/06/22 Time: 09:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.97
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 4.98
16. Date and Time of Retrieval Date: 06/03/22 Time: 13:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/04/22 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 0.1
16. Date and Time of Retrieval Date: 06/03/22 Time: 12:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.13
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.95			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-112A
4. Well Permit Number: E201412398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 12:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-112A
4. Well Permit Number: E201412398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 14:35
15. Depth to Ground Water Depth to ground water at time of deployment: 5.23
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/02/22 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 43.61
16. Date and Time of Retrieval Date: 05/31/22 Time: 13:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.43
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.15			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 32.2 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 13:45
15. Depth to Ground Water Depth to ground water at time of deployment: 44.06
16. Date and Time of Retrieval Date: 05/31/22 Time: 09:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 09:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 8.07
16. Date and Time of Retrieval Date: 06/03/22 Time: 14:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 46.29
16. Date and Time of Retrieval Date: 06/06/22 Time: 07:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 46.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: / ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 19.35
16. Date and Time of Retrieval Date: 06/02/22 Time: 12:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 5.8/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 05/04/22 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 22.48
16. Date and Time of Retrieval Date: 06/02/22 Time: 12:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.52
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 5.8/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/03/22 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 6.53
16. Date and Time of Retrieval Date: 05/31/22 Time: 12:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 32.2 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 12:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 32.2 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 5.15
16. Date and Time of Retrieval Date: 06/01/22 Time: 14:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126C
4. Well Permit Number: E201405729
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/03/22 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 4.93
16. Date and Time of Retrieval Date: 06/01/22 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 10.4/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.2			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 12
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.2			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 13:35
15. Depth to Ground Water Depth to ground water at time of deployment: 12.63
16. Date and Time of Retrieval Date: 06/02/22 Time: 12:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 22.1
16. Date and Time of Retrieval Date: 06/02/22 Time: 12:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136
4. Well Permit Number: E201113727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 19
10. Screened interval/open hole (fbgs) 9 - 19
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.3 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136
4. Well Permit Number: E201113727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 19
10. Screened interval/open hole (fbgs) 9 - 19
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/05/22 Time: 16:30
15. Depth to Ground Water Depth to ground water at time of deployment: 9.36
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.3 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136B
4. Well Permit Number: E201416041
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/05/22 Time: 16:40
15. Depth to Ground Water Depth to ground water at time of deployment: 10.55
16. Date and Time of Retrieval Date: 06/02/22 Time: 15:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 9999
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 4.6/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136C
4. Well Permit Number: E201415879
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/05/22 Time: 16:50
15. Depth to Ground Water Depth to ground water at time of deployment: 12.28
16. Date and Time of Retrieval Date: 06/02/22 Time: 15:51
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 22.8 Wind: 8.1/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 4.6/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 13.78
16. Date and Time of Retrieval Date: 06/02/22 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.18
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19.4			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 14.11
16. Date and Time of Retrieval Date: 06/02/22 Time: 11:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53

9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/04/22 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 13.73
16. Date and Time of Retrieval Date: 06/02/22 Time: 11:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-145A
4. Well Permit Number: E201204688
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 27.5
10. Screened interval/open hole (fbgs) 17.5 - 27.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 19.52
16. Date and Time of Retrieval Date: 06/03/22 Time: 11:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146A
4. Well Permit Number: E201204689
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.51
9. Total Well Depth (fbgs) 27.1
10. Screened interval/open hole (fbgs) 17.1 - 27.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/05/22 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 16.58
16. Date and Time of Retrieval Date: 06/06/22 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146B
4. Well Permit Number: E201306327
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 42 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 31.29
16. Date and Time of Retrieval Date: 06/06/22 Time: 11:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146C
4. Well Permit Number: E201306326
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/05/22 Time: 14:55
15. Depth to Ground Water Depth to ground water at time of deployment: 33.43
16. Date and Time of Retrieval Date: 06/06/22 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 21.7 Wind: 5.8/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.0 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.76
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 21.81
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.76
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/04/22 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 21.82
16. Date and Time of Retrieval Date: 06/02/22 Time: 12:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 5.8/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.3 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/06/22 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 13.04
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.3 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170BR
4. Well Permit Number: E201510907
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/06/22 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 11.86
16. Date and Time of Retrieval Date: 06/02/22 Time: 15:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 4.6/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 14.91
16. Date and Time of Retrieval Date: 06/03/22 Time: 11:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/E ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 05/04/22 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 15.56
16. Date and Time of Retrieval Date: 06/03/22 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 4.6/E ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 05/04/22 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 13.42
16. Date and Time of Retrieval Date: 06/03/22 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/06/22 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 32.84
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-174
4. Well Permit Number: E201303564
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 28 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/06/22 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 10.5
16. Date and Time of Retrieval Date: 06/06/22 Time: 15:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 09:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.75
16. Date and Time of Retrieval Date: 06/02/22 Time: 09:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 10.08
16. Date and Time of Retrieval Date: 06/02/22 Time: 09:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/05/22 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 9.34
16. Date and Time of Retrieval Date: 06/02/22 Time: 08:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.64
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/05/22 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 14.95
16. Date and Time of Retrieval Date: 06/02/22 Time: 09:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 17.8 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-204C
4. Well Permit Number: E201304823
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 76.5
10. Screened interval/open hole (fbgs) 56.5 - 76.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 14.81
16. Date and Time of Retrieval Date: 06/06/22 Time: 13:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2
9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 4.5
16. Date and Time of Retrieval Date: 06/03/22 Time: 09:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 8.1/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 4.6/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/03/22 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 3.85
16. Date and Time of Retrieval Date: 06/03/22 Time: 09:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 16.1 Wind: 8.1/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 4.6/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4

9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/03/22 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 4.39
16. Date and Time of Retrieval Date: 05/31/22 Time: 12:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4

9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 12:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 6.73
16. Date and Time of Retrieval Date: 06/01/22 Time: 12:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/03/22 Time: 08:55
15. Depth to Ground Water Depth to ground water at time of deployment: 8.83
16. Date and Time of Retrieval Date: 06/01/22 Time: 12:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/03/22 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 3.29
16. Date and Time of Retrieval Date: 06/01/22 Time: 09:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/03/22 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 4.2
16. Date and Time of Retrieval Date: 06/01/22 Time: 09:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 8.1/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213B
4. Well Permit Number: E201311462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 16:25
15. Depth to Ground Water Depth to ground water at time of deployment: 27.18
16. Date and Time of Retrieval Date: 06/02/22 Time: 14:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 26.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213C
4. Well Permit Number: E201311466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 18:36
15. Depth to Ground Water Depth to ground water at time of deployment: 29.32
16. Date and Time of Retrieval Date: 06/02/22 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 3.5/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214A
4. Well Permit Number: E201311468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 20 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 16:05
15. Depth to Ground Water Depth to ground water at time of deployment: 18.74
16. Date and Time of Retrieval Date: 06/03/22 Time: 13:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214B
4. Well Permit Number: E201312148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 15:55
15. Depth to Ground Water Depth to ground water at time of deployment: 18.28
16. Date and Time of Retrieval Date: 06/03/22 Time: 13:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214C
4. Well Permit Number: E201311480
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 16:15
15. Depth to Ground Water Depth to ground water at time of deployment: 18.99
16. Date and Time of Retrieval Date: 06/03/22 Time: 13:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 17.2 Wind: 4.6/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-215C
4. Well Permit Number: E201311204
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.11
16. Date and Time of Retrieval Date: 06/06/22 Time: 10:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-216C
4. Well Permit Number: E201311207
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 21.32
16. Date and Time of Retrieval Date: 06/06/22 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 20.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222
4. Well Permit Number: E201313503
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/05/22 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 30.06
16. Date and Time of Retrieval Date: 06/03/22 Time: 14:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.46
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222C
4. Well Permit Number: E201311482
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 257
10. Screened interval/open hole (fbgs) 247 - 257
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/05/22 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 21.64
16. Date and Time of Retrieval Date: 06/03/22 Time: 13:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.87
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
254.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-230C
4. Well Permit Number: E201315813
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 80.8
10. Screened interval/open hole (fbgs) 60.8 - 80.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/03/22 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 3.77
16. Date and Time of Retrieval Date: 06/01/22 Time: 16:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236B
4. Well Permit Number: E201312196
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56

9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 05/05/22 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 9.77
16. Date and Time of Retrieval Date: 06/03/22 Time: 13:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 14.4 Wind: 10.4/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236C
4. Well Permit Number: E201312197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/05/22 Time: 08:10
15. Depth to Ground Water Depth to ground water at time of deployment: 11.31
16. Date and Time of Retrieval Date: 06/03/22 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 10.4/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/02/22 Time: 08:34
15. Depth to Ground Water Depth to ground water at time of deployment: 19.61
16. Date and Time of Retrieval Date: 05/31/22 Time: 08:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 08:30
15. Depth to Ground Water Depth to ground water at time of deployment: 27.95
16. Date and Time of Retrieval Date: 05/31/22 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-238C
4. Well Permit Number: E201312547
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 69.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/06/22 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 12.18
16. Date and Time of Retrieval Date: 06/06/22 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/25/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-243B
4. Well Permit Number: E201401692
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 51.1
10. Screened interval/open hole (fbgs) 31.1 - 51.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/06/22 Time: 15:20
15. Depth to Ground Water Depth to ground water at time of deployment: 10.36
16. Date and Time of Retrieval Date: 06/02/22 Time: 15:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 11:50
15. Depth to Ground Water Depth to ground water at time of deployment: 12.88
16. Date and Time of Retrieval Date: 06/03/22 Time: 12:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 5.8/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 14.18
16. Date and Time of Retrieval Date: 06/03/22 Time: 12:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.9 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 5.8/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258B
4. Well Permit Number: E201315392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 59 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 34.76
16. Date and Time of Retrieval Date: 06/03/22 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 54.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 10.4/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258C
4. Well Permit Number: E201314458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 105 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 08:30
15. Depth to Ground Water Depth to ground water at time of deployment: 60.12
16. Date and Time of Retrieval Date: 06/03/22 Time: 14:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
107.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-259BR
4. Well Permit Number: E202010337
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/03/22 Time: 13:45
15. Depth to Ground Water Depth to ground water at time of deployment: 4.75
16. Date and Time of Retrieval Date: 06/03/22 Time: 09:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 8.1/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 05/02/22 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 57.12
16. Date and Time of Retrieval Date: 06/06/22 Time: 08:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 54.54
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 14:20
15. Depth to Ground Water Depth to ground water at time of deployment: 62.86
16. Date and Time of Retrieval Date: 06/06/22 Time: 09:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 62.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265B
4. Well Permit Number: E201318473
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/02/22 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 8.02
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265C
4. Well Permit Number: E201403229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/02/22 Time: 09:52
15. Depth to Ground Water Depth to ground water at time of deployment: 12.2
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266A
4. Well Permit Number: E201318470
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 37.8
10. Screened interval/open hole (fbgs) 27.8 - 37.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 09:09
15. Depth to Ground Water Depth to ground water at time of deployment: 2.72
16. Date and Time of Retrieval Date: 05/31/22 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 09:03
15. Depth to Ground Water Depth to ground water at time of deployment: 3.26
16. Date and Time of Retrieval Date: 05/31/22 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.7			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 5.65
16. Date and Time of Retrieval Date: 05/31/22 Time: 09:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267A
4. Well Permit Number: E201400817
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 56
10. Screened interval/open hole (fbgs) 46 - 56
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 07:25
15. Depth to Ground Water Depth to ground water at time of deployment: 24.68
16. Date and Time of Retrieval Date: 06/03/22 Time: 08:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 10.4/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 4.6/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267B
4. Well Permit Number: E201318590
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 105
10. Screened interval/open hole (fbgs) 95 - 105
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/05/22 Time: 07:50
15. Depth to Ground Water Depth to ground water at time of deployment: 30.01
16. Date and Time of Retrieval Date: 06/03/22 Time: 08:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 14.4 Wind: 10.4/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 4.6/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 50.38
16. Date and Time of Retrieval Date: 05/31/22 Time: 10:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 4.6/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 51.22
16. Date and Time of Retrieval Date: 06/06/22 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 4.6/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 10:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 55.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
60.3			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 55.38
16. Date and Time of Retrieval Date: 05/31/22 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 55.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
60.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.0 Wind: 17.3/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 35.99
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 35.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/02/22 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 46.98
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 51.6
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.3 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273B
4. Well Permit Number: E201401462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 51.47
10. Screened interval/open hole (fbgs) 41.47 - 51.47
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273B
4. Well Permit Number: E201401462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 51.47
10. Screened interval/open hole (fbgs) 41.47 - 51.47
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 5.2
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273C
4. Well Permit Number: E201401463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 102.17
10. Screened interval/open hole (fbgs) 92.17 - 102.17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 4.81
16. Date and Time of Retrieval Date: 06/01/22 Time: 15:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 6.9/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 9.2/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274A
4. Well Permit Number: E201404620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274A
4. Well Permit Number: E201404620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 4.78
16. Date and Time of Retrieval Date: 05/31/22 Time: 14:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 9.2/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274B
4. Well Permit Number: E201404621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 65
10. Screened interval/open hole (fbgs) 55 - 65
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 14:35
15. Depth to Ground Water Depth to ground water at time of deployment: 8.47
16. Date and Time of Retrieval Date: 06/03/22 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 9.2/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 4.6/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274C
4. Well Permit Number: E201404622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 8.26
16. Date and Time of Retrieval Date: 06/03/22 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 9.2/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 4.6/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 10:15
15. Depth to Ground Water Depth to ground water at time of deployment: 4.41
16. Date and Time of Retrieval Date: 06/01/22 Time: 13:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 5.8/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 18.18
16. Date and Time of Retrieval Date: 06/02/22 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 4.6/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	Np

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276B
4. Well Permit Number: E201403621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 10:25
15. Depth to Ground Water Depth to ground water at time of deployment: 17.86
16. Date and Time of Retrieval Date: 06/02/22 Time: 11:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 4.6/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 10:15
15. Depth to Ground Water Depth to ground water at time of deployment: 37.23
16. Date and Time of Retrieval Date: 06/02/22 Time: 11:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 4.6/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 4.6/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 08:30
15. Depth to Ground Water Depth to ground water at time of deployment: 13.04
16. Date and Time of Retrieval Date: 05/31/22 Time: 15:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 01/01/01 Time: _____
15. Depth to Ground Water Depth to ground water at time of deployment: _____
16. Date and Time of Retrieval Date: 05/31/22 Time: 15:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 33.9 Wind: 8.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295A
4. Well Permit Number: E201404289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.22
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/02/22 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 17.45
16. Date and Time of Retrieval Date: 05/31/22 Time: 09:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.0 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295A
4. Well Permit Number: E201404289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.22
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 01/01/01 Time:
15. Depth to Ground Water Depth to ground water at time of deployment:
16. Date and Time of Retrieval Date: 05/31/22 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing:
    Type of flow meter used:
    Measurements taken every feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: Wind: ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 6.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295C
4. Well Permit Number: E201511978
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.55
9. Total Well Depth (fbgs) 84.7
10. Screened interval/open hole (fbgs) 76.7 - 84.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/02/22 Time: 11:22
15. Depth to Ground Water Depth to ground water at time of deployment: 22.33
16. Date and Time of Retrieval Date: 06/01/22 Time: 10:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
80.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.0 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 9.69
16. Date and Time of Retrieval Date: 06/03/22 Time: 12:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304B
4. Well Permit Number: E201510845
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 30 - 50
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 11:35
15. Depth to Ground Water Depth to ground water at time of deployment: 8.58
16. Date and Time of Retrieval Date: 06/03/22 Time: 12:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 5.8/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304C
4. Well Permit Number: E201510846
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/04/22 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 7.3
16. Date and Time of Retrieval Date: 06/03/22 Time: 12:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31

9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/03/22 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 6.18
16. Date and Time of Retrieval Date: 06/01/22 Time: 12:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 6.35
16. Date and Time of Retrieval Date: 06/01/22 Time: 12:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/03/22 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 5.16
16. Date and Time of Retrieval Date: 06/01/22 Time: 12:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 8.1/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 5.3
16. Date and Time of Retrieval Date: 06/01/22 Time: 13:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 6.9/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-351C
4. Well Permit Number: E201409431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 87.52
10. Screened interval/open hole (fbgs) 62.52 - 87.52
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/06/22 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 16.52
16. Date and Time of Retrieval Date: 06/02/22 Time: 15:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.9 Wind: 4.6/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/05/22 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 31.57
16. Date and Time of Retrieval Date: 06/02/22 Time: 10:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 4.6/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/05/22 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 31.92
16. Date and Time of Retrieval Date: 06/02/22 Time: 10:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/05/22 Time: 10:35
15. Depth to Ground Water Depth to ground water at time of deployment: 45.41
16. Date and Time of Retrieval Date: 06/02/22 Time: 10:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
125			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 18.3 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-357A
4. Well Permit Number: E201409766
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 25.4
10. Screened interval/open hole (fbgs) 15.4 - 25.4
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/03/22 Time: 15:20
15. Depth to Ground Water Depth to ground water at time of deployment: 8.42
16. Date and Time of Retrieval Date: 06/06/22 Time: 16:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
20.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 16.1 Wind: 9.2/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-366B
4. Well Permit Number: E201412402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 10.84
16. Date and Time of Retrieval Date: 06/06/22 Time: 16:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.64
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 11.5/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373B
4. Well Permit Number: E201502842
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 10:25
15. Depth to Ground Water Depth to ground water at time of deployment: 40.34
16. Date and Time of Retrieval Date: 06/06/22 Time: 15:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 38.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
74.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 4.6/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37

9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/06/22 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 40.47
16. Date and Time of Retrieval Date: 06/06/22 Time: 15:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/02/22 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 28.09
16. Date and Time of Retrieval Date: 06/01/22 Time: 11:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 27.26
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42

9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/02/22 Time: 12:52
15. Depth to Ground Water Depth to ground water at time of deployment: 29.49
16. Date and Time of Retrieval Date: 06/01/22 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 29.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/02/22 Time: 12:54
15. Depth to Ground Water Depth to ground water at time of deployment: 42.82
16. Date and Time of Retrieval Date: 06/01/22 Time: 11:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 42.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 8.1/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376B
4. Well Permit Number: E201414290
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 86
10. Screened interval/open hole (fbgs) 76 - 86
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 39.52
16. Date and Time of Retrieval Date: 05/31/22 Time: 12:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 52.28
16. Date and Time of Retrieval Date: 05/31/22 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 11.5/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 15:05
15. Depth to Ground Water Depth to ground water at time of deployment: 47.41
16. Date and Time of Retrieval Date: 06/06/22 Time: 09:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 47.21
16. Date and Time of Retrieval Date: 06/06/22 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.19
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
110.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-383A
4. Well Permit Number: E201415541
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.35
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/02/22 Time: 11:35
15. Depth to Ground Water Depth to ground water at time of deployment: 17.71
16. Date and Time of Retrieval Date: 06/01/22 Time: 10:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 17
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 02/18/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.0 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 5.8/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-391C
4. Well Permit Number: E201415873
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 123.6
10. Screened interval/open hole (fbgs) 113.6 - 123.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/06/22 Time: 12:30
15. Depth to Ground Water Depth to ground water at time of deployment: 17.48
16. Date and Time of Retrieval Date: 06/03/22 Time: 09:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.0 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-394C
4. Well Permit Number: E201415860
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.72

9. Total Well Depth (fbgs) 103
10. Screened interval/open hole (fbgs) 93 - 103
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 05/03/22 Time: 15:05
15. Depth to Ground Water Depth to ground water at time of deployment: 12.13
16. Date and Time of Retrieval Date: 06/06/22 Time: 16:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 16.1 Wind: 9.2/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/05/22 Time: 15:45
15. Depth to Ground Water Depth to ground water at time of deployment: 9.37
16. Date and Time of Retrieval Date: 06/03/22 Time: 10:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 4.6/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 05/05/22 Time: 16:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.84
16. Date and Time of Retrieval Date: 06/03/22 Time: 10:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 4.6/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416C
4. Well Permit Number: E201501192
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 115
10. Screened interval/open hole (fbgs) 105 - 115
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/05/22 Time: 15:30
15. Depth to Ground Water Depth to ground water at time of deployment: 12.75
16. Date and Time of Retrieval Date: 06/03/22 Time: 10:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
105.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 22.2 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.7 Wind: 4.6/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-453C2
4. Well Permit Number: E201509739
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 90 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/06/22 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 12.79
16. Date and Time of Retrieval Date: 06/06/22 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-457C1
4. Well Permit Number: E201509602
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/06/22 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 10.39
16. Date and Time of Retrieval Date: 06/06/22 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.16
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 3.5/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.7 Wind: 10.4/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 08:30
15. Depth to Ground Water Depth to ground water at time of deployment: 6.29
16. Date and Time of Retrieval Date: 06/01/22 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/03/22 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 7.02
16. Date and Time of Retrieval Date: 06/01/22 Time: 12:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 5.8/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-487A
4. Well Permit Number: E201511649
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 05/04/22 Time: 14:45
15. Depth to Ground Water Depth to ground water at time of deployment: 6.64
16. Date and Time of Retrieval Date: 06/01/22 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.54
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.6 Wind: 5.8/SSW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 21.1 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-495B
4. Well Permit Number: E201514806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -1.05
9. Total Well Depth (fbgs) 50.5
10. Screened interval/open hole (fbgs) 40.5 - 50.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/06/22 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 10.49
16. Date and Time of Retrieval Date: 06/03/22 Time: 14:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-503C
4. Well Permit Number: E201701479
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 80.5
10. Screened interval/open hole (fbgs) 60.5 - 80.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 05/06/22 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 11.22
16. Date and Time of Retrieval Date: 06/03/22 Time: 14:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/SE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 24.4 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	NP

Attachment 5

Groundwater Sampling Sheets – 2Q 2023

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 66RI-MW4
4. Well Permit Number: E201304931
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 15.4
10. Screened interval/open hole (fbgs) 8.4 - 15.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/16/23 Time: 15:34
15. Depth to Ground Water Depth to ground water at time of deployment: 8.43
16. Date and Time of Retrieval Date: 04/18/23 Time: 13:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 9.2/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 16.1/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 131RI-MW1
4. Well Permit Number: E201306020
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 15.8
10. Screened interval/open hole (fbgs) 7.8 - 15.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/16/23 Time: 12:40
15. Depth to Ground Water Depth to ground water at time of deployment: 9.42
16. Date and Time of Retrieval Date: 04/18/23 Time: 08:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
13.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 138RI-MW1R
4. Well Permit Number: E202010338
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 32
10. Screened interval/open hole (fbgs) 22 - 32
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/16/23 Time: 12:58
15. Depth to Ground Water Depth to ground water at time of deployment: 6.22
16. Date and Time of Retrieval Date: 04/18/23 Time: 08:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 19.6/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 187RI-MW2
4. Well Permit Number: E201305798
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 2 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/14/23 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 4.54
16. Date and Time of Retrieval Date: 04/13/23 Time: 13:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 18.4/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.6 Wind: 11.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: ART-MW-6BR
4. Well Permit Number: E201501062
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.21
9. Total Well Depth (fbgs) 42.5
10. Screened interval/open hole (fbgs) 27.5 - 42.5
11. Well Casing: Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 08:36
15. Depth to Ground Water Depth to ground water at time of deployment: 11.53
16. Date and Time of Retrieval Date: 04/17/23 Time: 08:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Nylon
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 08:50
15. Depth to Ground Water Depth to ground water at time of deployment: 58.71
16. Date and Time of Retrieval Date: 04/13/23 Time: 08:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 59.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
133.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 15.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 8.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 60.57
16. Date and Time of Retrieval Date: 04/13/23 Time: 07:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 61.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
277.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 15.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 8.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3B
4. Well Permit Number: E201218158
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 122
10. Screened interval/open hole (fbgs) 112 - 122
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 08:04
15. Depth to Ground Water Depth to ground water at time of deployment: 46.86
16. Date and Time of Retrieval Date: 01/01/01 Time:
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.22
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
114.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/07/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 08:02
15. Depth to Ground Water Depth to ground water at time of deployment: 80.83
16. Date and Time of Retrieval Date: 04/14/23 Time: 07:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 80.99
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4C
4. Well Permit Number: E201306325
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 117 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 10:57
15. Depth to Ground Water Depth to ground water at time of deployment: 40.86
16. Date and Time of Retrieval Date: 04/19/23 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 41.54
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 10.4/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4D
4. Well Permit Number: E201306324
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 10:58
15. Depth to Ground Water Depth to ground water at time of deployment: 25.96
16. Date and Time of Retrieval Date: 04/19/23 Time: 10:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.94
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 10.4/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6B
4. Well Permit Number: E201218159
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 114.6
10. Screened interval/open hole (fbgs) 104.6 - 114.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 07:58
15. Depth to Ground Water Depth to ground water at time of deployment: 19.93
16. Date and Time of Retrieval Date: 04/20/23 Time: 08:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -1.7 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6C
4. Well Permit Number: E201218160
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.6
9. Total Well Depth (fbgs) 291
10. Screened interval/open hole (fbgs) 281 - 291
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 07:59
15. Depth to Ground Water Depth to ground water at time of deployment: 20.23
16. Date and Time of Retrieval Date: 04/20/23 Time: 08:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.61
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
288.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -1.7 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6D
4. Well Permit Number: E201301046
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 497.9
10. Screened interval/open hole (fbgs) 472.9 - 497.9
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 21.17
16. Date and Time of Retrieval Date: 04/20/23 Time: 08:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
495.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: -1.7 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 17.11
16. Date and Time of Retrieval Date: 04/19/23 Time: 08:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 8.1/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 08:22
15. Depth to Ground Water Depth to ground water at time of deployment: 18.89
16. Date and Time of Retrieval Date: 04/19/23 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 8.1/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 08:23
15. Depth to Ground Water Depth to ground water at time of deployment: 23.97
16. Date and Time of Retrieval Date: 04/19/23 Time: 08:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.46
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
342.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 08:21
15. Depth to Ground Water Depth to ground water at time of deployment: 22.02
16. Date and Time of Retrieval Date: 04/19/23 Time: 08:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.84
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 8.1/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 14:53
15. Depth to Ground Water Depth to ground water at time of deployment: 23.53
16. Date and Time of Retrieval Date: 04/12/23 Time: 12:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 11.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 15.0/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 14:38
15. Depth to Ground Water Depth to ground water at time of deployment: 29.76
16. Date and Time of Retrieval Date: 04/12/23 Time: 12:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.63
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
189.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 11.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 15.0/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8C
4. Well Permit Number: E201217463
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.5
9. Total Well Depth (fbgs) 307
10. Screened interval/open hole (fbgs) 297 - 307
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 30.67
16. Date and Time of Retrieval Date: 04/12/23 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.58
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
304.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 11.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 15.0/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-9A
4. Well Permit Number: E201217454
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 95.1
10. Screened interval/open hole (fbgs) 85.1 - 95.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 17.7
16. Date and Time of Retrieval Date: 04/20/23 Time: 07:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.58
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11B
4. Well Permit Number: E201300242
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 10:22
15. Depth to Ground Water Depth to ground water at time of deployment: 7.18
16. Date and Time of Retrieval Date: 04/19/23 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.4
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 11.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11D
4. Well Permit Number: E201300243
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 10:21
15. Depth to Ground Water Depth to ground water at time of deployment: 8.38
16. Date and Time of Retrieval Date: 04/19/23 Time: 11:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.48
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 11.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12A
4. Well Permit Number: E201300227
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 134
10. Screened interval/open hole (fbgs) 124 - 134
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 16.32
16. Date and Time of Retrieval Date: 04/17/23 Time: 10:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
131.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 8.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12B
4. Well Permit Number: E201300228
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 181 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 09:38
15. Depth to Ground Water Depth to ground water at time of deployment: 23.49
16. Date and Time of Retrieval Date: 04/17/23 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.16
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
183.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/23/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 8.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12CR
4. Well Permit Number: E201412451
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 520.1
10. Screened interval/open hole (fbgs) 495.1 - 520.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 09:39
15. Depth to Ground Water Depth to ground water at time of deployment: 23.98
16. Date and Time of Retrieval Date: 04/17/23 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.88
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
517.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 8.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 12.21
16. Date and Time of Retrieval Date: 04/13/23 Time: 14:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.93
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
242.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 17.3/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 15.0/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14A
4. Well Permit Number: E201300229
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 118.8
10. Screened interval/open hole (fbgs) 172.1 - 182.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 13:00
15. Depth to Ground Water Depth to ground water at time of deployment: 12.76
16. Date and Time of Retrieval Date: 04/18/23 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.72
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
179.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 19.6/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16A
4. Well Permit Number: E201300231
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.95
9. Total Well Depth (fbgs) 218.1
10. Screened interval/open hole (fbgs) 208.1 - 218.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 15.53
16. Date and Time of Retrieval Date: 04/18/23 Time: 11:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.59
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 18.4/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16B
4. Well Permit Number: E201300232
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.17
9. Total Well Depth (fbgs) 298.4
10. Screened interval/open hole (fbgs) 288.4 - 298.4
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 14:01
15. Depth to Ground Water Depth to ground water at time of deployment: 17.45
16. Date and Time of Retrieval Date: 04/18/23 Time: 11:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.4
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
294.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 18.4/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16C
4. Well Permit Number: E201301078
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 444.4
10. Screened interval/open hole (fbgs) 419.4 - 444.4
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 14:02
15. Depth to Ground Water Depth to ground water at time of deployment: 0.18
16. Date and Time of Retrieval Date: 04/18/23 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.11
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
435.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 18.4/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 15.4
16. Date and Time of Retrieval Date: 04/14/23 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
117.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 23.0/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.0 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-24
4. Well Permit Number: E201314457
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 175
10. Screened interval/open hole (fbgs) 150 - 175
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 70.31
16. Date and Time of Retrieval Date: 04/19/23 Time: 13:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 71.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 13.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27B
4. Well Permit Number: E201315239
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 299.8
10. Screened interval/open hole (fbgs) 274.8 - 299.8
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 10:04
15. Depth to Ground Water Depth to ground water at time of deployment: 22.75
16. Date and Time of Retrieval Date: 04/20/23 Time: 11:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.12
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27C
4. Well Permit Number: E201402655
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 425
10. Screened interval/open hole (fbgs) 400 - 425
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 24.32
16. Date and Time of Retrieval Date: 04/20/23 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.88
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
422.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 16:32
15. Depth to Ground Water Depth to ground water at time of deployment: 50.94
16. Date and Time of Retrieval Date: 04/12/23 Time: 15:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.75
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
181.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 8.1/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 16:20
15. Depth to Ground Water Depth to ground water at time of deployment: 151.25
16. Date and Time of Retrieval Date: 04/12/23 Time: 14:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.15
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
308.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 10.4/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 15:30
15. Depth to Ground Water Depth to ground water at time of deployment: 39.03
16. Date and Time of Retrieval Date: 04/12/23 Time: 14:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.79
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 10.4/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 15:36
15. Depth to Ground Water Depth to ground water at time of deployment: 40.63
16. Date and Time of Retrieval Date: 04/12/23 Time: 14:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.84
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
439.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 10.4/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 11:56
15. Depth to Ground Water Depth to ground water at time of deployment: 20.23
16. Date and Time of Retrieval Date: 04/12/23 Time: 08:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 21
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
257.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 11:33
15. Depth to Ground Water Depth to ground water at time of deployment: 289.24
16. Date and Time of Retrieval Date: 04/12/23 Time: 08:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 284.55
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
437.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32A
4. Well Permit Number: E201318587
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 164
10. Screened interval/open hole (fbgs) 154 - 164
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 10:13
15. Depth to Ground Water Depth to ground water at time of deployment: 13.71
16. Date and Time of Retrieval Date: 04/17/23 Time: 11:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.8
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
156.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32B
4. Well Permit Number: E201315585
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 301.1
10. Screened interval/open hole (fbgs) 276.1 - 301.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 10:12
15. Depth to Ground Water Depth to ground water at time of deployment: 23.05
16. Date and Time of Retrieval Date: 04/17/23 Time: 11:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.37
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
298.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33A
4. Well Permit Number: E201401464
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 161.26
10. Screened interval/open hole (fbgs) 151.26 - 161.26
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 15:06
15. Depth to Ground Water Depth to ground water at time of deployment: 11.35
16. Date and Time of Retrieval Date: 04/18/23 Time:
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
#Error			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33B
4. Well Permit Number: E201318598
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 280.27
10. Screened interval/open hole (fbgs) 270.27 - 280.27
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 15:01
15. Depth to Ground Water Depth to ground water at time of deployment: 17.76
16. Date and Time of Retrieval Date: 04/18/23 Time: 11:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.11
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
276.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 15.0/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33C
4. Well Permit Number: E201402654
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 426.16
10. Screened interval/open hole (fbgs) 401.16 - 426.16
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 15:02
15. Depth to Ground Water Depth to ground water at time of deployment: 0.08
16. Date and Time of Retrieval Date: 04/18/23 Time: 12:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.41
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
417.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 15.0/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-34B
4. Well Permit Number: E201315235
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 07:58
15. Depth to Ground Water Depth to ground water at time of deployment: 43.68
16. Date and Time of Retrieval Date: 04/18/23 Time: 07:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 56.59
16. Date and Time of Retrieval Date: 04/13/23 Time: 09:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.02
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 52.9
16. Date and Time of Retrieval Date: 04/14/23 Time: 08:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.9
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
178.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 18.4/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 08:41
15. Depth to Ground Water Depth to ground water at time of deployment: 82.33
16. Date and Time of Retrieval Date: 04/14/23 Time: 08:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 82.84
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
249.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 18.4/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 59.03
16. Date and Time of Retrieval Date: 04/17/23 Time: 13:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 59.64
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
293.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 21.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 14:29
15. Depth to Ground Water Depth to ground water at time of deployment: 51.52
16. Date and Time of Retrieval Date: 04/17/23 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.06
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
493.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 21.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 09:36
15. Depth to Ground Water Depth to ground water at time of deployment: 6.48
16. Date and Time of Retrieval Date: 04/14/23 Time: 09:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 21.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 9.37
16. Date and Time of Retrieval Date: 04/14/23 Time: 09:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.19
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
247.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 21.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 09:37
15. Depth to Ground Water Depth to ground water at time of deployment: 1.25
16. Date and Time of Retrieval Date: 04/14/23 Time: 09:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.13
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
397.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 21.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-41C
4. Well Permit Number: E201407799
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 450.1
10. Screened interval/open hole (fbgs) 425.1 - 450.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 13:42
15. Depth to Ground Water Depth to ground water at time of deployment: 21.97
16. Date and Time of Retrieval Date: 04/20/23 Time: 07:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.09
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 16.14
16. Date and Time of Retrieval Date: 04/20/23 Time: 07:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 4.6/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/NNE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-52A
4. Well Permit Number: E201413312
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 115 - 130
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 13:51
15. Depth to Ground Water Depth to ground water at time of deployment: 8.76
16. Date and Time of Retrieval Date: 04/20/23 Time: 13:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.62
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 39.59
16. Date and Time of Retrieval Date: 04/13/23 Time: 11:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.93
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 17.3/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 8.1/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-64A
4. Well Permit Number: E201500412
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 235 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 09:28
15. Depth to Ground Water Depth to ground water at time of deployment: 8.9
16. Date and Time of Retrieval Date: 04/19/23 Time: 09:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.69
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
237.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 8.1/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-67B
4. Well Permit Number: E201509857
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 274.9
10. Screened interval/open hole (fbgs) 264.9 - 274.9
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 08:02
15. Depth to Ground Water Depth to ground water at time of deployment: 25.47
16. Date and Time of Retrieval Date: 04/17/23 Time: 08:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 26.1
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
270.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 08:46
15. Depth to Ground Water Depth to ground water at time of deployment: 20.77
16. Date and Time of Retrieval Date: 04/17/23 Time: 08:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
203.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-157C2
4. Well Permit Number: E201509285
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 105.1
10. Screened interval/open hole (fbgs) 80.1 - 105.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/21/23 Time: 13:39
15. Depth to Ground Water Depth to ground water at time of deployment: 9.08
16. Date and Time of Retrieval Date: 04/20/23 Time: 12:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168B
4. Well Permit Number: E201507919
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 56.7
10. Screened interval/open hole (fbgs) 31.7 - 56.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/20/23 Time: 08:35
15. Depth to Ground Water Depth to ground water at time of deployment: 9.39
16. Date and Time of Retrieval Date: 04/20/23 Time: 09:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
44.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C1
4. Well Permit Number: E201507920
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 81.8
10. Screened interval/open hole (fbgs) 56.8 - 81.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/20/23 Time: 08:36
15. Depth to Ground Water Depth to ground water at time of deployment: 9.28
16. Date and Time of Retrieval Date: 04/20/23 Time: 08:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
69.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C2
4. Well Permit Number: E201507921
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 106.9
10. Screened interval/open hole (fbgs) 81.9 - 106.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/20/23 Time: 08:37
15. Depth to Ground Water Depth to ground water at time of deployment: 9.58
16. Date and Time of Retrieval Date: 04/20/23 Time: 08:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
94.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 5.8/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-197A
4. Well Permit Number: E201903466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 29.3
10. Screened interval/open hole (fbgs) 23.3 - 28.3
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 8.28
16. Date and Time of Retrieval Date: 04/19/23 Time: 07:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-199B
4. Well Permit Number: E201903468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 43.6
10. Screened interval/open hole (fbgs) 27.6 - 42.6
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/17/23 Time: 13:16
15. Depth to Ground Water Depth to ground water at time of deployment: 8.68
16. Date and Time of Retrieval Date: 04/19/23 Time: 07:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.35			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/14/23 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 4.84
16. Date and Time of Retrieval Date: 04/18/23 Time: 07:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.04
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 15.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2B
4. Well Permit Number: E201501289
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.69
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 47 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/16/23 Time: 07:50
15. Depth to Ground Water Depth to ground water at time of deployment: 14.32
16. Date and Time of Retrieval Date: 04/17/23 Time: 07:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
53.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2G
4. Well Permit Number: E201216676
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 4 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/14/23 Time: 07:58
15. Depth to Ground Water Depth to ground water at time of deployment: 1.67
16. Date and Time of Retrieval Date: 04/18/23 Time: 07:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 15.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-15A
4. Well Permit Number: 2600051888
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.09
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 08:07
15. Depth to Ground Water Depth to ground water at time of deployment: 7.27
16. Date and Time of Retrieval Date: 04/18/23 Time: 14:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/26/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-16
4. Well Permit Number: 2600012044
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.19
9. Total Well Depth (fbgs) 13.8
10. Screened interval/open hole (fbgs) 3.8 - 13.8
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 2.4
16. Date and Time of Retrieval Date: 04/17/23 Time: 11:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.92
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-22A
4. Well Permit Number: 2600051883
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 44.2
10. Screened interval/open hole (fbgs) 24.2 - 44.2
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/17/23 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 7.39
16. Date and Time of Retrieval Date: 04/18/23 Time: 14:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 16.1/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24
4. Well Permit Number: 2600036932
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -5.7
9. Total Well Depth (fbgs) 41.7
10. Screened interval/open hole (fbgs) 31.7 - 41.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/13/23 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 16.09
16. Date and Time of Retrieval Date: 04/12/23 Time: 11:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 11.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24C
4. Well Permit Number: E201316485
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 49.4
10. Screened interval/open hole (fbgs) 29.4 - 49.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/17/23 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 15.18
16. Date and Time of Retrieval Date: 04/17/23 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/19/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 13:05
15. Depth to Ground Water Depth to ground water at time of deployment: 11.83
16. Date and Time of Retrieval Date: 04/13/23 Time: 13:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.64
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 18.4/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 29.4 Wind: 9.2/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 8.03
16. Date and Time of Retrieval Date: 04/20/23 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 9
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44B
4. Well Permit Number: E201304514
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45.1
10. Screened interval/open hole (fbgs) 35.1 - 45.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 10:08
15. Depth to Ground Water Depth to ground water at time of deployment: 12.04
16. Date and Time of Retrieval Date: 04/20/23 Time: 11:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44C
4. Well Permit Number: E201302491
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 81.3
10. Screened interval/open hole (fbgs) 61.3 - 81.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 10:09
15. Depth to Ground Water Depth to ground water at time of deployment: 17.42
16. Date and Time of Retrieval Date: 04/20/23 Time: 11:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/15/23 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 47.52
16. Date and Time of Retrieval Date: 04/14/23 Time: 07:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.69
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-58
4. Well Permit Number: 2600068227
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 36
10. Screened interval/open hole (fbgs) 21 - 36
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 16.34
16. Date and Time of Retrieval Date: 04/12/23 Time: 07:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 8.1/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-80C
4. Well Permit Number: E201316488
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.32
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/13/23 Time: 15:02
15. Depth to Ground Water Depth to ground water at time of deployment: 16.03
16. Date and Time of Retrieval Date: 04/12/23 Time: 12:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.77
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 11.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 15.0/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-102
4. Well Permit Number: P200804386
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/21/23 Time: 13:46
15. Depth to Ground Water Depth to ground water at time of deployment: 7.28
16. Date and Time of Retrieval Date: 04/20/23 Time: 12:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/15/23 Time: 11:51
15. Depth to Ground Water Depth to ground water at time of deployment: 1.19
16. Date and Time of Retrieval Date: 04/14/23 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.85			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 24.2/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.0 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/21/23 Time: 11:09
15. Depth to Ground Water Depth to ground water at time of deployment: 1.9
16. Date and Time of Retrieval Date: 04/20/23 Time: 10:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.48
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/21/23 Time: 11:10
15. Depth to Ground Water Depth to ground water at time of deployment: 1.94
16. Date and Time of Retrieval Date: 04/20/23 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.39
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 11:36
15. Depth to Ground Water Depth to ground water at time of deployment: 4.47
16. Date and Time of Retrieval Date: 04/14/23 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 24.2/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/15/23 Time: 11:37
15. Depth to Ground Water Depth to ground water at time of deployment: 0.11
16. Date and Time of Retrieval Date: 04/14/23 Time: 11:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.45
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.95			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 24.2/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-112A
4. Well Permit Number: E201412398
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 14:17
15. Depth to Ground Water Depth to ground water at time of deployment: 4.9
16. Date and Time of Retrieval Date: 04/14/23 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 23.0/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.7 Wind: 12.7/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/14/23 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 42.73
16. Date and Time of Retrieval Date: 04/13/23 Time: 07:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 15.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 8.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 43.02
16. Date and Time of Retrieval Date: 04/13/23 Time: 08:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 45.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 15.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 20.6 Wind: 8.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 09:08
15. Depth to Ground Water Depth to ground water at time of deployment: 9.98
16. Date and Time of Retrieval Date: 04/18/23 Time: 15:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 08:00
15. Depth to Ground Water Depth to ground water at time of deployment: 45.82
16. Date and Time of Retrieval Date: 04/14/23 Time: 07:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.3
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 18.79
16. Date and Time of Retrieval Date: 04/14/23 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 23.0/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/15/23 Time: 14:04
15. Depth to Ground Water Depth to ground water at time of deployment: 22.2
16. Date and Time of Retrieval Date: 04/14/23 Time: 14:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 23.0/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/14/23 Time: 15:05
15. Depth to Ground Water Depth to ground water at time of deployment: 6.11
16. Date and Time of Retrieval Date: 04/13/23 Time: 15:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 15.0/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 15:10
15. Depth to Ground Water Depth to ground water at time of deployment: 4.98
16. Date and Time of Retrieval Date: 04/13/23 Time: 15:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.67
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 15.0/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126C
4. Well Permit Number: E201405729
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 15:00
15. Depth to Ground Water Depth to ground water at time of deployment: 4.47
16. Date and Time of Retrieval Date: 04/13/23 Time: 15:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 15.0/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 13:42
15. Depth to Ground Water Depth to ground water at time of deployment: 10.88
16. Date and Time of Retrieval Date: 04/14/23 Time: 13:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.2			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 23.0/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 13:41
15. Depth to Ground Water Depth to ground water at time of deployment: 11.48
16. Date and Time of Retrieval Date: 04/14/23 Time: 13:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 23.0/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 13:43
15. Depth to Ground Water Depth to ground water at time of deployment: 21.75
16. Date and Time of Retrieval Date: 04/14/23 Time: 13:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 23.0/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136
4. Well Permit Number: E201113727
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 19
10. Screened interval/open hole (fbgs) 9 - 19
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/16/23 Time: 08:48
15. Depth to Ground Water Depth to ground water at time of deployment: 8.9
16. Date and Time of Retrieval Date: 04/17/23 Time: 09:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.71
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136B
4. Well Permit Number: E201416041
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/16/23 Time: 08:49
15. Depth to Ground Water Depth to ground water at time of deployment: 10.11
16. Date and Time of Retrieval Date: 04/17/23 Time: 09:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136C
4. Well Permit Number: E201415879
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 08:47
15. Depth to Ground Water Depth to ground water at time of deployment: 11.72
16. Date and Time of Retrieval Date: 04/17/23 Time: 08:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 15:07
15. Depth to Ground Water Depth to ground water at time of deployment: 12.92
16. Date and Time of Retrieval Date: 04/17/23 Time: 14:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.17
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19.4			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 21.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 15:05
15. Depth to Ground Water Depth to ground water at time of deployment: 13.54
16. Date and Time of Retrieval Date: 04/17/23 Time: 14:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 21.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 10.4/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53
9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 15:06
15. Depth to Ground Water Depth to ground water at time of deployment: 13.25
16. Date and Time of Retrieval Date: 04/17/23 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 21.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-145A
4. Well Permit Number: E201204688
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 27.5
10. Screened interval/open hole (fbgs) 17.5 - 27.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 11:01
15. Depth to Ground Water Depth to ground water at time of deployment: 16.51
16. Date and Time of Retrieval Date: 04/14/23 Time: 10:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.74
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 24.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146A
4. Well Permit Number: E201204689
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.51
9. Total Well Depth (fbgs) 27.1
10. Screened interval/open hole (fbgs) 17.1 - 27.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/20/23 Time: 11:17
15. Depth to Ground Water Depth to ground water at time of deployment: 16.77
16. Date and Time of Retrieval Date: 04/19/23 Time: 11:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.64
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 10.4/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146B
4. Well Permit Number: E201306327
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 42 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 10:55
15. Depth to Ground Water Depth to ground water at time of deployment: 31.42
16. Date and Time of Retrieval Date: 04/19/23 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 10.4/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146C
4. Well Permit Number: E201306326
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 10:56
15. Depth to Ground Water Depth to ground water at time of deployment: 33.48
16. Date and Time of Retrieval Date: 04/19/23 Time: 10:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 34.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 10.4/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 13:55
15. Depth to Ground Water Depth to ground water at time of deployment: 21.53
16. Date and Time of Retrieval Date: 04/14/23 Time: 13:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.9
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.1			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 23.0/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/15/23 Time: 13:54
15. Depth to Ground Water Depth to ground water at time of deployment: 21.4
16. Date and Time of Retrieval Date: 04/14/23 Time: 13:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 23.0/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 9.2/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/16/23 Time: 10:53
15. Depth to Ground Water Depth to ground water at time of deployment: 12.96
16. Date and Time of Retrieval Date: 04/17/23 Time: 11:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 10.4/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170BR
4. Well Permit Number: E201510907
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/16/23 Time: 10:52
15. Depth to Ground Water Depth to ground water at time of deployment: 11.39
16. Date and Time of Retrieval Date: 04/17/23 Time: 10:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 10.4/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 10:49
15. Depth to Ground Water Depth to ground water at time of deployment: 14.93
16. Date and Time of Retrieval Date: 04/14/23 Time: 10:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.88
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 24.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 10:48
15. Depth to Ground Water Depth to ground water at time of deployment: 15.57
16. Date and Time of Retrieval Date: 04/14/23 Time: 10:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 24.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 13.11
16. Date and Time of Retrieval Date: 04/14/23 Time: 10:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 24.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/14/23 Time: 11:50
15. Depth to Ground Water Depth to ground water at time of deployment: 31.95
16. Date and Time of Retrieval Date: 04/13/23 Time: 11:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-174
4. Well Permit Number: E201303564
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 28 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/17/23 Time: 11:11
15. Depth to Ground Water Depth to ground water at time of deployment: 10.75
16. Date and Time of Retrieval Date: 04/20/23 Time: 12:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.26
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 08:16
15. Depth to Ground Water Depth to ground water at time of deployment: 8.87
16. Date and Time of Retrieval Date: 04/19/23 Time: 08:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 8.1/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 08:17
15. Depth to Ground Water Depth to ground water at time of deployment: 9.74
16. Date and Time of Retrieval Date: 04/19/23 Time: 08:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 8.1/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 08:18
15. Depth to Ground Water Depth to ground water at time of deployment: 8.41
16. Date and Time of Retrieval Date: 04/19/23 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 8.1/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 08:19
15. Depth to Ground Water Depth to ground water at time of deployment: 13.74
16. Date and Time of Retrieval Date: 04/19/23 Time: 08:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 8.1/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-204C
4. Well Permit Number: E201304823
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 76.5
10. Screened interval/open hole (fbgs) 56.5 - 76.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 08:48
15. Depth to Ground Water Depth to ground water at time of deployment: 14.32
16. Date and Time of Retrieval Date: 04/18/23 Time: 14:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2
9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 4.3
16. Date and Time of Retrieval Date: 04/18/23 Time: 10:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.67
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 13:29
15. Depth to Ground Water Depth to ground water at time of deployment: 3.79
16. Date and Time of Retrieval Date: 04/18/23 Time: 09:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 13:25
15. Depth to Ground Water Depth to ground water at time of deployment: 4.8
16. Date and Time of Retrieval Date: 04/13/23 Time: 13:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 18.4/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.6 Wind: 11.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 6.79
16. Date and Time of Retrieval Date: 04/13/23 Time: 13:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 17.3/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.6 Wind: 11.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 13:35
15. Depth to Ground Water Depth to ground water at time of deployment: 8.35
16. Date and Time of Retrieval Date: 04/13/23 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 17.3/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.6 Wind: 11.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/14/23 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 2.89
16. Date and Time of Retrieval Date: 04/18/23 Time: 08:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.68
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 15.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/14/23 Time: 08:15
15. Depth to Ground Water Depth to ground water at time of deployment: 3.73
16. Date and Time of Retrieval Date: 04/18/23 Time: 08:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 15.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213B
4. Well Permit Number: E201311462
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/20/23 Time: 13:52
15. Depth to Ground Water Depth to ground water at time of deployment: 26.71
16. Date and Time of Retrieval Date: 04/19/23 Time: 14:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 27.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213C
4. Well Permit Number: E201311466
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/20/23 Time: 13:53
15. Depth to Ground Water Depth to ground water at time of deployment: 29.43
16. Date and Time of Retrieval Date: 04/19/23 Time: 14:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 30
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214A
4. Well Permit Number: E201311468
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 20 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/20/23 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 18.72
16. Date and Time of Retrieval Date: 04/19/23 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214B
4. Well Permit Number: E201312148
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/20/23 Time: 13:29
15. Depth to Ground Water Depth to ground water at time of deployment: 18.2
16. Date and Time of Retrieval Date: 04/19/23 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214C
4. Well Permit Number: E201311480
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/20/23 Time: 13:31
15. Depth to Ground Water Depth to ground water at time of deployment: 19.04
16. Date and Time of Retrieval Date: 04/19/23 Time: 14:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.3 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 9.2/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-215C
4. Well Permit Number: E201311204
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 10:19
15. Depth to Ground Water Depth to ground water at time of deployment: 8.8
16. Date and Time of Retrieval Date: 04/19/23 Time: 12:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 11.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-216C
4. Well Permit Number: E201311207
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 10:42
15. Depth to Ground Water Depth to ground water at time of deployment: 21.4
16. Date and Time of Retrieval Date: 04/19/23 Time: 10:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 6.9/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 10.4/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222
4. Well Permit Number: E201313503
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/20/23 Time: 08:57
15. Depth to Ground Water Depth to ground water at time of deployment: 21.89
16. Date and Time of Retrieval Date: 04/19/23 Time: 13:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 13.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222C
4. Well Permit Number: E201311482
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 257
10. Screened interval/open hole (fbgs) 247 - 257
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/20/23 Time: 09:15
15. Depth to Ground Water Depth to ground water at time of deployment: 30.17
16. Date and Time of Retrieval Date: 04/19/23 Time: 13:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.85
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
254.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 13.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-226C
4. Well Permit Number: E201310696
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 10:17
15. Depth to Ground Water Depth to ground water at time of deployment: 13.58
16. Date and Time of Retrieval Date: 01/01/01 Time:
17. Depth to Ground Water Depth to ground water at time of retrieval:
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
#Error			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 8.1/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-230C
4. Well Permit Number: E201315813
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 80.8
10. Screened interval/open hole (fbgs) 60.8 - 80.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 15:18
15. Depth to Ground Water Depth to ground water at time of deployment: 3.49
16. Date and Time of Retrieval Date: 04/18/23 Time: 12:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 15.0/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236B
4. Well Permit Number: E201312196
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/20/23 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 9.58
16. Date and Time of Retrieval Date: 04/20/23 Time: 11:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.22
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: / ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236C
4. Well Permit Number: E201312197
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/20/23 Time: 13:16
15. Depth to Ground Water Depth to ground water at time of deployment: 11.05
16. Date and Time of Retrieval Date: 04/20/23 Time: 11:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: / ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237A
4. Well Permit Number: E201311727
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/13/23 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 17.83
16. Date and Time of Retrieval Date: 01/01/01 Time:
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.83
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
28.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/20/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 11:25
15. Depth to Ground Water Depth to ground water at time of deployment: 27.85
16. Date and Time of Retrieval Date: 04/12/23 Time: 07:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 6.9/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 18.3 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-238C
4. Well Permit Number: E201312547
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 69.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 08:57
15. Depth to Ground Water Depth to ground water at time of deployment: 11.94
16. Date and Time of Retrieval Date: 04/20/23 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/25/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 8.1/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-243B
4. Well Permit Number: E201401692
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 51.1
10. Screened interval/open hole (fbgs) 31.1 - 51.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/16/23 Time: 08:26
15. Depth to Ground Water Depth to ground water at time of deployment: 9.58
16. Date and Time of Retrieval Date: 04/17/23 Time: 08:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 13.8
16. Date and Time of Retrieval Date: 04/19/23 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 10.4/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 10:51
15. Depth to Ground Water Depth to ground water at time of deployment: 14.39
16. Date and Time of Retrieval Date: 04/19/23 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 8.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 11.5/NW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258B
4. Well Permit Number: E201315392
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 59 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 09:33
15. Depth to Ground Water Depth to ground water at time of deployment: 55.81
16. Date and Time of Retrieval Date: 04/19/23 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 57.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 13.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258C
4. Well Permit Number: E201314458
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 105 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/20/23 Time: 09:34
15. Depth to Ground Water Depth to ground water at time of deployment: 60.63
16. Date and Time of Retrieval Date: 04/19/23 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 62.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-20
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
107.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 5.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 14.4 Wind: 13.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-259BR
4. Well Permit Number: E202010337
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/16/23 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 4.53
16. Date and Time of Retrieval Date: 04/18/23 Time: 09:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 9.2/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/14/23 Time: 10:35
15. Depth to Ground Water Depth to ground water at time of deployment: 56.84
16. Date and Time of Retrieval Date: 04/13/23 Time: 09:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 10:30
15. Depth to Ground Water Depth to ground water at time of deployment: 62.22
16. Date and Time of Retrieval Date: 04/13/23 Time: 09:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 63.58
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265B
4. Well Permit Number: E201318473
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/13/23 Time: 12:30
15. Depth to Ground Water Depth to ground water at time of deployment: 7.49
16. Date and Time of Retrieval Date: 04/12/23 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 9.2/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265C
4. Well Permit Number: E201403229
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/13/23 Time: 12:35
15. Depth to Ground Water Depth to ground water at time of deployment: 11.6
16. Date and Time of Retrieval Date: 04/12/23 Time: 08:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 9.2/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 10.4/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266A
4. Well Permit Number: E201318470
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 37.8
10. Screened interval/open hole (fbgs) 27.8 - 37.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 10:11
15. Depth to Ground Water Depth to ground water at time of deployment: 2.38
16. Date and Time of Retrieval Date: 04/17/23 Time: 11:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 10:09
15. Depth to Ground Water Depth to ground water at time of deployment: 3.6
16. Date and Time of Retrieval Date: 04/17/23 Time: 11:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.75
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.7			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 6.14
16. Date and Time of Retrieval Date: 04/17/23 Time: 11:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.8 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267A
4. Well Permit Number: E201400817
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 56
10. Screened interval/open hole (fbgs) 46 - 56
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 07:57
15. Depth to Ground Water Depth to ground water at time of deployment: 25.08
16. Date and Time of Retrieval Date: 04/18/23 Time: 07:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 11.5/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267B
4. Well Permit Number: E201318590
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 105
10. Screened interval/open hole (fbgs) 95 - 105
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 07:59
15. Depth to Ground Water Depth to ground water at time of deployment: 29.68
16. Date and Time of Retrieval Date: 04/18/23 Time: 07:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 6.9/SW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 08:44
15. Depth to Ground Water Depth to ground water at time of deployment: 50.03
16. Date and Time of Retrieval Date: 04/14/23 Time: 08:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 18.4/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 19.4 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 08:43
15. Depth to Ground Water Depth to ground water at time of deployment: 51.01
16. Date and Time of Retrieval Date: 04/14/23 Time: 08:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 52.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 18.4/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.2 Wind: 3.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 10:05
15. Depth to Ground Water Depth to ground water at time of deployment: 54.98
16. Date and Time of Retrieval Date: 04/13/23 Time: 09:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
60.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 16:40
15. Depth to Ground Water Depth to ground water at time of deployment: 34.96
16. Date and Time of Retrieval Date: 04/12/23 Time: 15:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 8.1/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 16:30
15. Depth to Ground Water Depth to ground water at time of deployment: 46.89
16. Date and Time of Retrieval Date: 04/12/23 Time: 15:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 8.1/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 16:36
15. Depth to Ground Water Depth to ground water at time of deployment: 50.71
16. Date and Time of Retrieval Date: 04/12/23 Time: 15:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 8.1/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 28.3 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273B
4. Well Permit Number: E201401462
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 51.47
10. Screened interval/open hole (fbgs) 41.47 - 51.47
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 15:03
15. Depth to Ground Water Depth to ground water at time of deployment: 4.95
16. Date and Time of Retrieval Date: 04/18/23 Time: 11:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.39
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 15.0/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273C
4. Well Permit Number: E201401463
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 102.17
10. Screened interval/open hole (fbgs) 92.17 - 102.17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 15:04
15. Depth to Ground Water Depth to ground water at time of deployment: 4.69
16. Date and Time of Retrieval Date: 04/18/23 Time: 12:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 15.0/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274A
4. Well Permit Number: E201404620
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 14:07
15. Depth to Ground Water Depth to ground water at time of deployment: 4.6
16. Date and Time of Retrieval Date: 04/18/23 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.0 Wind: 15.0/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274B
4. Well Permit Number: E201404621
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 65
10. Screened interval/open hole (fbgs) 55 - 65
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 14:08
15. Depth to Ground Water Depth to ground water at time of deployment: 8.33
16. Date and Time of Retrieval Date: 04/18/23 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 18.4/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274C
4. Well Permit Number: E201404622
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 14:09
15. Depth to Ground Water Depth to ground water at time of deployment: 8.12
16. Date and Time of Retrieval Date: 04/18/23 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 10.4/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 18.4/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 4.15
16. Date and Time of Retrieval Date: 04/13/23 Time: 14:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 15.0/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 14:27
15. Depth to Ground Water Depth to ground water at time of deployment: 16.47
16. Date and Time of Retrieval Date: 04/17/23 Time: 13:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.66
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 21.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 10.4/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276B
4. Well Permit Number: E201403621
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 14:26
15. Depth to Ground Water Depth to ground water at time of deployment: 16.04
16. Date and Time of Retrieval Date: 04/17/23 Time: 13:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 21.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 10.4/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 14:25
15. Depth to Ground Water Depth to ground water at time of deployment: 36.88
16. Date and Time of Retrieval Date: 04/17/23 Time: 13:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 38.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 21.9/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 13.9 Wind: 4.6/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-286A
4. Well Permit Number: E201401095
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.54
9. Total Well Depth (fbgs) 10.27
10. Screened interval/open hole (fbgs) 2.27 - 10.27
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 01/01/01 Time:
15. Depth to Ground Water Depth to ground water at time of deployment: 8.05
16. Date and Time of Retrieval Date: 01/01/01 Time:
17. Depth to Ground Water Depth to ground water at time of retrieval:
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled _____
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
#Error			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 08:49
15. Depth to Ground Water Depth to ground water at time of deployment: 12.55
16. Date and Time of Retrieval Date: 04/18/23 Time: 15:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 4.6/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295A
4. Well Permit Number: E201404289
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.22
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/13/23 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 16.65
16. Date and Time of Retrieval Date: 04/12/23 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 10.4/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295C
4. Well Permit Number: E201511978
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.55
9. Total Well Depth (fbgs) 84.7
10. Screened interval/open hole (fbgs) 76.7 - 84.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/13/23 Time: 13:52
15. Depth to Ground Water Depth to ground water at time of deployment: 21.6
16. Date and Time of Retrieval Date: 04/12/23 Time: 10:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
80.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 10.4/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 11:16
15. Depth to Ground Water Depth to ground water at time of deployment: 9.71
16. Date and Time of Retrieval Date: 04/14/23 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 24.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304B
4. Well Permit Number: E201510845
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 30 - 50
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 11:17
15. Depth to Ground Water Depth to ground water at time of deployment: 8.04
16. Date and Time of Retrieval Date: 04/14/23 Time: 10:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 24.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304C
4. Well Permit Number: E201510846
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/15/23 Time: 11:15
15. Depth to Ground Water Depth to ground water at time of deployment: 6.65
16. Date and Time of Retrieval Date: 04/14/23 Time: 10:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 24.2/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 3.5/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-320C
4. Well Permit Number: E201405734
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 67.9
10. Screened interval/open hole (fbgs) 57.9 - 67.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 11:54
15. Depth to Ground Water Depth to ground water at time of deployment: 4.97
16. Date and Time of Retrieval Date: 04/18/23 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
63.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/29/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 16.1/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 5.94
16. Date and Time of Retrieval Date: 04/13/23 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.58
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 17.3/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.6 Wind: 11.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 6.16
16. Date and Time of Retrieval Date: 04/13/23 Time: 14:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 17.3/W ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 31.1 Wind: 15.0/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 10:20
15. Depth to Ground Water Depth to ground water at time of deployment: 5.01
16. Date and Time of Retrieval Date: 04/14/23 Time: 09:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.58
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 21.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/15/23 Time: 10:19
15. Depth to Ground Water Depth to ground water at time of deployment: 5.02
16. Date and Time of Retrieval Date: 04/14/23 Time: 09:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-15
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 21.9/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 26.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-351C
4. Well Permit Number: E201409431
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 87.52
10. Screened interval/open hole (fbgs) 62.52 - 87.52
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 16.45
16. Date and Time of Retrieval Date: 04/17/23 Time: 14:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.97
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 8.1/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 16.1 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/17/23 Time: 09:25
15. Depth to Ground Water Depth to ground water at time of deployment: 29.38
16. Date and Time of Retrieval Date: 04/19/23 Time: 09:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 15.0/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/17/23 Time: 09:26
15. Depth to Ground Water Depth to ground water at time of deployment: 29.85
16. Date and Time of Retrieval Date: 04/19/23 Time: 09:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 33.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 8.1/SW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 15.0/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 04/19/23 Time: 09:36
15. Depth to Ground Water Depth to ground water at time of deployment: 46.48
16. Date and Time of Retrieval Date: 01/01/01 Time:
17. Depth to Ground Water Depth to ground water at time of retrieval:
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-04-19
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
#Error			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 15.0/W ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: _____ Wind: _____ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-357A
4. Well Permit Number: E201409766
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 25.4
10. Screened interval/open hole (fbgs) 15.4 - 25.4
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/17/23 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 5.42
16. Date and Time of Retrieval Date: 04/20/23 Time: 11:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.34
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
20.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-366B
4. Well Permit Number: E201412402
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/21/23 Time: 13:50
15. Depth to Ground Water Depth to ground water at time of deployment: 10.67
16. Date and Time of Retrieval Date: 04/20/23 Time: 13:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373B
4. Well Permit Number: E201502842
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 11:40
15. Depth to Ground Water Depth to ground water at time of deployment: 39.57
16. Date and Time of Retrieval Date: 04/13/23 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
74.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 8.1/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 39.59
16. Date and Time of Retrieval Date: 04/13/23 Time: 11:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 18.4/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 8.1/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/13/23 Time: 15:50
15. Depth to Ground Water Depth to ground water at time of deployment: 26.79
16. Date and Time of Retrieval Date: 04/12/23 Time: 13:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 10.4/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 15:52
15. Depth to Ground Water Depth to ground water at time of deployment: 28.33
16. Date and Time of Retrieval Date: 04/12/23 Time: 13:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 30.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 10.4/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 15:54
15. Depth to Ground Water Depth to ground water at time of deployment: 42.52
16. Date and Time of Retrieval Date: 04/12/23 Time: 14:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.0 Wind: 10.4/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 27.2 Wind: 16.1/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376B
4. Well Permit Number: E201414290
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 86
10. Screened interval/open hole (fbgs) 76 - 86
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 39.49
16. Date and Time of Retrieval Date: 04/13/23 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 40
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 51.69
16. Date and Time of Retrieval Date: 04/13/23 Time: 08:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 21.9/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 23.3 Wind: 13.8/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 46.79
16. Date and Time of Retrieval Date: 04/13/23 Time: 09:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.48
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 10:45
15. Depth to Ground Water Depth to ground water at time of deployment: 47.09
16. Date and Time of Retrieval Date: 04/13/23 Time: 09:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.29
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
110.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 23.0/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 25.6 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-383A
4. Well Permit Number: E201415541
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.35
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/13/23 Time: 14:15
15. Depth to Ground Water Depth to ground water at time of deployment: 16.1
16. Date and Time of Retrieval Date: 04/12/23 Time: 10:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-13
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 02/18/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 10.4/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 22.8 Wind: 11.5/WNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-391C
4. Well Permit Number: E201415873
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 123.6
10. Screened interval/open hole (fbgs) 113.6 - 123.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 08:01
15. Depth to Ground Water Depth to ground water at time of deployment: 16.99
16. Date and Time of Retrieval Date: 04/17/23 Time: 08:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-394C
4. Well Permit Number: E201415860
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.72
9. Total Well Depth (fbgs) 103
10. Screened interval/open hole (fbgs) 93 - 103
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 10:49
15. Depth to Ground Water Depth to ground water at time of deployment: 11.9
16. Date and Time of Retrieval Date: 04/17/23 Time: 14:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.74
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.0 Wind: 5.8/SE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 17.8 Wind: 6.9/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/16/23 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 9.35
16. Date and Time of Retrieval Date: 04/17/23 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.54
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 5.8/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/16/23 Time: 09:09
15. Depth to Ground Water Depth to ground water at time of deployment: 8.72
16. Date and Time of Retrieval Date: 04/17/23 Time: 09:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.99
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 5.8/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416C
4. Well Permit Number: E201501192
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 115
10. Screened interval/open hole (fbgs) 105 - 115
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/16/23 Time: 09:11
15. Depth to Ground Water Depth to ground water at time of deployment: 12.28
16. Date and Time of Retrieval Date: 04/17/23 Time: 09:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-16
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
105.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 11.5/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.7 Wind: 5.8/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-453C2
4. Well Permit Number: E201509739
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 90 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/21/23 Time: 13:32
15. Depth to Ground Water Depth to ground water at time of deployment: 12.32
16. Date and Time of Retrieval Date: 04/20/23 Time: 12:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-457C1
4. Well Permit Number: E201509602
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/21/23 Time: 13:31
15. Depth to Ground Water Depth to ground water at time of deployment: 9.94
16. Date and Time of Retrieval Date: 04/20/23 Time: 12:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 15.0 Wind: 9.2/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 15.6 Wind: 4.6/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 6.11
16. Date and Time of Retrieval Date: 04/13/23 Time: 13:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 18.4/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 29.4 Wind: 9.2/WSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/14/23 Time: 13:15
15. Depth to Ground Water Depth to ground water at time of deployment: 6.89
16. Date and Time of Retrieval Date: 04/13/23 Time: 13:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-14
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 18.4/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 30.6 Wind: 11.5/W ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-495B
4. Well Permit Number: E201514806
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -1.05
9. Total Well Depth (fbgs) 50.5
10. Screened interval/open hole (fbgs) 40.5 - 50.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/21/23 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 10.12
16. Date and Time of Retrieval Date: 04/18/23 Time: 14:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-503C
4. Well Permit Number: E201701479
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 80.5
10. Screened interval/open hole (fbgs) 60.5 - 80.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/21/23 Time: 08:06
15. Depth to Ground Water Depth to ground water at time of deployment: 10.68
16. Date and Time of Retrieval Date: 04/18/23 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-21
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.1 Wind: 0.0/N ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 19.6/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-505A
4. Well Permit Number: E201903476
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 15.1
10. Screened interval/open hole (fbgs) 4.1 - 15.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 13:01
15. Depth to Ground Water Depth to ground water at time of deployment: 7.44
16. Date and Time of Retrieval Date: 04/19/23 Time: 07:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-506B
4. Well Permit Number: E201903472
5. Type of Well: ☒ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☐ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 44.6
10. Screened interval/open hole (fbgs) 34.6 - 44.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/17/23 Time: 13:02
15. Depth to Ground Water Depth to ground water at time of deployment: 8.71
16. Date and Time of Retrieval Date: 04/19/23 Time: 07:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2023-03-17
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 6.9/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 9.2/SW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

Attachment 5

Groundwater Sampling Sheets – 1Q 2024

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 66RI-MW4
4. Well Permit Number: E201304931
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 15.4
10. Screened interval/open hole (fbgs) 8.4 - 15.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/29/24 Time: 09:04
15. Depth to Ground Water Depth to ground water at time of deployment: 8.41
16. Date and Time of Retrieval Date: 03/28/24 Time: 09:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.27
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0 Wind: 15.0/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 131RI-MW1
4. Well Permit Number: E201306020
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 15.8
10. Screened interval/open hole (fbgs) 7.8 - 15.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/29/24 Time: 11:58
15. Depth to Ground Water Depth to ground water at time of deployment: 9.37
16. Date and Time of Retrieval Date: 03/28/24 Time: 09:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.3
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
4.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 15.0/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 138RI-MW1R
4. Well Permit Number: E202010338
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 32
10. Screened interval/open hole (fbgs) 22 - 32
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/19/24 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 6.03
16. Date and Time of Retrieval Date: 04/25/24 Time: 11:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-19
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 13.8/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: 187RI-MW2
4. Well Permit Number: E201305798
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 2 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/28/24 Time: 11:25
15. Depth to Ground Water Depth to ground water at time of deployment: 4.87
16. Date and Time of Retrieval Date: 03/27/24 Time: 14:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.58
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.45			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 4.6/SE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: ART-MW-6BR
4. Well Permit Number: E201501062
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.21
9. Total Well Depth (fbgs) 42.5
10. Screened interval/open hole (fbgs) 27.5 - 42.5
11. Well Casing: Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 11.94
16. Date and Time of Retrieval Date: 03/28/24 Time: 15:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.17
18. Type of Deployment Line Used Diameter: 3/16" Material: Nylon
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2B
4. Well Permit Number: E201217456
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 136
10. Screened interval/open hole (fbgs) 126 - 136
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 08:40
15. Depth to Ground Water Depth to ground water at time of deployment: 84.73
16. Date and Time of Retrieval Date: 03/26/24 Time: 15:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
133.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 05/21/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: / ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 4.6/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-2-D2
4. Well Permit Number: E201402664
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 08:33
15. Depth to Ground Water Depth to ground water at time of deployment: 59.48
16. Date and Time of Retrieval Date: 03/26/24 Time: 14:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 58.92
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
277.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: / ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 4.6/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-3-D2
4. Well Permit Number: E201402663
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 14:58
15. Depth to Ground Water Depth to ground water at time of deployment: 89.4
16. Date and Time of Retrieval Date: 04/01/24 Time: 10:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 79.1
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/NE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4C
4. Well Permit Number: E201306325
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 142
10. Screened interval/open hole (fbgs) 117 - 142
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 10:00
15. Depth to Ground Water Depth to ground water at time of deployment: 40.57
16. Date and Time of Retrieval Date: 04/02/24 Time: 14:29
17. Depth to Ground Water Depth to ground water at time of retrieval: 38.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 6.9/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-4D
4. Well Permit Number: E201306324
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 09:51
15. Depth to Ground Water Depth to ground water at time of deployment: 25.35
16. Date and Time of Retrieval Date: 04/02/24 Time: 14:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 6.9/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6B
4. Well Permit Number: E201218159
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.55
9. Total Well Depth (fbgs) 114.6
10. Screened interval/open hole (fbgs) 104.6 - 114.6
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 13:43
15. Depth to Ground Water Depth to ground water at time of deployment: 19.26
16. Date and Time of Retrieval Date: 04/02/24 Time: 11:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7 Wind: 11.5/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 10.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6C
4. Well Permit Number: E201218160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.6
9. Total Well Depth (fbgs) 291
10. Screened interval/open hole (fbgs) 281 - 291
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 13:56
15. Depth to Ground Water Depth to ground water at time of deployment: 20.4
16. Date and Time of Retrieval Date: 04/02/24 Time: 11:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.84
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
288.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7 Wind: 11.5/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 10.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-6D
4. Well Permit Number: E201301046
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 497.9
10. Screened interval/open hole (fbgs) 472.9 - 497.9
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 14:09
15. Depth to Ground Water Depth to ground water at time of deployment: 20.98
16. Date and Time of Retrieval Date: 04/02/24 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
495.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/22/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7 Wind: 11.5/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 9.2/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7A
4. Well Permit Number: E201411635
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 127
10. Screened interval/open hole (fbgs) 112 - 127
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 09:31
15. Depth to Ground Water Depth to ground water at time of deployment: 18.19
16. Date and Time of Retrieval Date: 03/29/24 Time: 10:49
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.32
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
124.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 15.0/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7B
4. Well Permit Number: E201305678
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 180
10. Screened interval/open hole (fbgs) 165 - 180
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 09:56
15. Depth to Ground Water Depth to ground water at time of deployment: 20.3
16. Date and Time of Retrieval Date: 03/29/24 Time: 11:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.37
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 15.0/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7C
4. Well Permit Number: E201305675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 345
10. Screened interval/open hole (fbgs) 335 - 345
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/29/24 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 22.38
16. Date and Time of Retrieval Date: 04/25/24 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.89
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-29
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
342.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 8.9 Wind: 15.0/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 8.1/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-7D
4. Well Permit Number: E201305674
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 09:42
15. Depth to Ground Water Depth to ground water at time of deployment: 21.65
16. Date and Time of Retrieval Date: 03/29/24 Time: 10:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.2 Wind: 6.9/SW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 15.0/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8A
4. Well Permit Number: E201217453
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.02
9. Total Well Depth (fbgs) 126
10. Screened interval/open hole (fbgs) 116 - 126
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 11:26
15. Depth to Ground Water Depth to ground water at time of deployment: 24.13
16. Date and Time of Retrieval Date: 03/25/24 Time: 11:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.03
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
118.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 4.6/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8B
4. Well Permit Number: E201217458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.27
9. Total Well Depth (fbgs) 192
10. Screened interval/open hole (fbgs) 182 - 192
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 11:48
15. Depth to Ground Water Depth to ground water at time of deployment: 35.15
16. Date and Time of Retrieval Date: 03/25/24 Time: 11:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.42
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
189.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 4.6/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-8C
4. Well Permit Number: E201217463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.5
9. Total Well Depth (fbgs) 307
10. Screened interval/open hole (fbgs) 297 - 307
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 11:51
15. Depth to Ground Water Depth to ground water at time of deployment: 85.96
16. Date and Time of Retrieval Date: 03/25/24 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.98
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
304.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 4.6/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-9A
4. Well Permit Number: E201217454
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 95.1
10. Screened interval/open hole (fbgs) 85.1 - 95.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/19/24 Time: 14:50
15. Depth to Ground Water Depth to ground water at time of deployment: 16.6
16. Date and Time of Retrieval Date: 04/25/24 Time: 13:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.96
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-19
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.8 Wind: 13.8/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 11.1 Wind: 3.5/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11B
4. Well Permit Number: E201300242
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 11:41
15. Depth to Ground Water Depth to ground water at time of deployment: 6.3
16. Date and Time of Retrieval Date: 04/02/24 Time: 09:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/E ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-11D
4. Well Permit Number: E201300243
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 450
10. Screened interval/open hole (fbgs) 425 - 450
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 11:32
15. Depth to Ground Water Depth to ground water at time of deployment: 8.32
16. Date and Time of Retrieval Date: 04/02/24 Time: 09:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.54
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
447.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/E ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12B
4. Well Permit Number: E201300228
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 181 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 14:46
15. Depth to Ground Water Depth to ground water at time of deployment: 23.58
16. Date and Time of Retrieval Date: 04/01/24 Time: 09:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.47
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
183.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/23/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 17.3/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-12CR
4. Well Permit Number: E201412451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 520.1
10. Screened interval/open hole (fbgs) 495.1 - 520.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 14:48
15. Depth to Ground Water Depth to ground water at time of deployment: 23.45
16. Date and Time of Retrieval Date: 04/01/24 Time: 09:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.28
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
517.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 17.3/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-13-D2
4. Well Permit Number: E201402656
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 250
10. Screened interval/open hole (fbgs) 240 - 250
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 10:32
15. Depth to Ground Water Depth to ground water at time of deployment: 12.09
16. Date and Time of Retrieval Date: 03/27/24 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
242.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-14A
4. Well Permit Number: E201300229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 118.8
10. Screened interval/open hole (fbgs) 172.1 - 182.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 23.17
16. Date and Time of Retrieval Date: 03/28/24 Time: 09:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.93
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
179.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 15.0/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16A
4. Well Permit Number: E201300231
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.95
9. Total Well Depth (fbgs) 218.1
10. Screened interval/open hole (fbgs) 208.1 - 218.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 10:43
15. Depth to Ground Water Depth to ground water at time of deployment: 16.02
16. Date and Time of Retrieval Date: 03/28/24 Time: 11:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.76
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16B
4. Well Permit Number: E201300232
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -0.17
9. Total Well Depth (fbgs) 298.4
10. Screened interval/open hole (fbgs) 288.4 - 298.4
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 18.56
16. Date and Time of Retrieval Date: 03/28/24 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.85
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
294.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-16C
4. Well Permit Number: E201301078
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 444.4
10. Screened interval/open hole (fbgs) 419.4 - 444.4
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 0
16. Date and Time of Retrieval Date: 03/28/24 Time: 11:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.02
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
435.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/05/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-17C
4. Well Permit Number: E201301431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 13:05
15. Depth to Ground Water Depth to ground water at time of deployment: 14.57
16. Date and Time of Retrieval Date: 03/26/24 Time: 10:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.71
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
117.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/ ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 8.1/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-24
4. Well Permit Number: E201314457
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 175
10. Screened interval/open hole (fbgs) 150 - 175
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 09:18
15. Depth to Ground Water Depth to ground water at time of deployment: 7.7
16. Date and Time of Retrieval Date: 03/29/24 Time: 11:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 67.67
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
172.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10 Wind: 5.8/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27B
4. Well Permit Number: E201315239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 299.8
10. Screened interval/open hole (fbgs) 274.8 - 299.8
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 04/01/24 Time: 14:45
15. Depth to Ground Water Depth to ground water at time of deployment: 22.43
16. Date and Time of Retrieval Date: 04/25/24 Time: 10:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.55
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-04-01
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
292.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 6.9/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-27C
4. Well Permit Number: E201402655
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 425
10. Screened interval/open hole (fbgs) 400 - 425
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 12:38
15. Depth to Ground Water Depth to ground water at time of deployment: 24.25
16. Date and Time of Retrieval Date: 03/27/24 Time: 14:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 23.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
422.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 3.5/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28A
4. Well Permit Number: E201402669
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 189
10. Screened interval/open hole (fbgs) 179 - 189
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 14:33
15. Depth to Ground Water Depth to ground water at time of deployment: 19.6
16. Date and Time of Retrieval Date: 03/25/24 Time: 15:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.81
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
181.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-28B
4. Well Permit Number: E201402668
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 321
10. Screened interval/open hole (fbgs) 306 - 321
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 51.26
16. Date and Time of Retrieval Date: 03/25/24 Time: 15:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
308.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29B
4. Well Permit Number: E201315491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.76
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 13:45
15. Depth to Ground Water Depth to ground water at time of deployment: 46.33
16. Date and Time of Retrieval Date: 03/25/24 Time: 13:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.35
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 4.6/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-29C
4. Well Permit Number: E201402670
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 442
10. Screened interval/open hole (fbgs) 432 - 442
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 13:42
15. Depth to Ground Water Depth to ground water at time of deployment: 45.58
16. Date and Time of Retrieval Date: 03/25/24 Time: 13:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
439.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 5.8/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-30B
4. Well Permit Number: E201315493
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 260
10. Screened interval/open hole (fbgs) 250 - 260
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 11:02
15. Depth to Ground Water Depth to ground water at time of deployment: 25.89
16. Date and Time of Retrieval Date: 03/25/24 Time: 10:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.05
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
257.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 10.4/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 13.8/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-31C
4. Well Permit Number: E201402878
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38

9. Total Well Depth (fbgs) 440
10. Screened interval/open hole (fbgs) 415 - 440
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 09:53
15. Depth to Ground Water Depth to ground water at time of deployment: 279.31
16. Date and Time of Retrieval Date: 03/25/24 Time: 09:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 274.91
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
437.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 13.8/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-32A
4. Well Permit Number: E201318587
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 164
10. Screened interval/open hole (fbgs) 154 - 164
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 09:33
15. Depth to Ground Water Depth to ground water at time of deployment: 13.89
16. Date and Time of Retrieval Date: 03/25/24 Time: 08:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.98
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
156.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33B
4. Well Permit Number: E201318598
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 280.27
10. Screened interval/open hole (fbgs) 270.27 - 280.27
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 09:28
15. Depth to Ground Water Depth to ground water at time of deployment: 17.5
16. Date and Time of Retrieval Date: 03/28/24 Time: 08:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.63
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
276.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 12.7/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-33C
4. Well Permit Number: E201402654
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58

9. Total Well Depth (fbgs) 426.16
10. Screened interval/open hole (fbgs) 401.16 - 426.16
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 02/29/24 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 0
16. Date and Time of Retrieval Date: 03/28/24 Time: 08:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.23
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
417.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 0.6 Wind: 12.7/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 0.0/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-34B
4. Well Permit Number: E201315235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 300
10. Screened interval/open hole (fbgs) 275 - 300
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/29/24 Time: 08:05
15. Depth to Ground Water Depth to ground water at time of deployment: 42.8
16. Date and Time of Retrieval Date: 04/25/24 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.59
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-29
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
287.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 8.1/NNE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-37B
4. Well Permit Number: E201400890
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 299.6
10. Screened interval/open hole (fbgs) 289.6 - 299.6
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 13:48
15. Depth to Ground Water Depth to ground water at time of deployment: 57.72
16. Date and Time of Retrieval Date: 04/01/24 Time: 09:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 54.14
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
297.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 9.2/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38A
4. Well Permit Number: E201401595
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 191
10. Screened interval/open hole (fbgs) 166 - 191
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 14:22
15. Depth to Ground Water Depth to ground water at time of deployment: 51.38
16. Date and Time of Retrieval Date: 04/01/24 Time: 10:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 50.03
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
178.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-38B
4. Well Permit Number: E201400995
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 267
10. Screened interval/open hole (fbgs) 247 - 267
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 14:28
15. Depth to Ground Water Depth to ground water at time of deployment: 82.3
16. Date and Time of Retrieval Date: 04/01/24 Time: 10:13
17. Depth to Ground Water Depth to ground water at time of retrieval: 81.35
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
249.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39B
4. Well Permit Number: E201402679
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 296
10. Screened interval/open hole (fbgs) 286 - 296
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 14:19
15. Depth to Ground Water Depth to ground water at time of deployment: 58.68
16. Date and Time of Retrieval Date: 03/26/24 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 57.13
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
293.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/17/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-39C
4. Well Permit Number: E201402680
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 496
10. Screened interval/open hole (fbgs) 471 - 496
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 14:21
15. Depth to Ground Water Depth to ground water at time of deployment: 51.13
16. Date and Time of Retrieval Date: 03/26/24 Time: 13:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 51.08
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
493.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40A
4. Well Permit Number: E201402658
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 147
10. Screened interval/open hole (fbgs) 137 - 147
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 09:17
15. Depth to Ground Water Depth to ground water at time of deployment: 5.98
16. Date and Time of Retrieval Date: 03/27/24 Time: 08:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.083
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
139.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40B
4. Well Permit Number: E201402657
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 251
10. Screened interval/open hole (fbgs) 241 - 251
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 09:22
15. Depth to Ground Water Depth to ground water at time of deployment: 9.11
16. Date and Time of Retrieval Date: 03/27/24 Time: 08:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.19
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
247.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-40C
4. Well Permit Number: E201410074
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 400
10. Screened interval/open hole (fbgs) 375 - 400
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 09:29
15. Depth to Ground Water Depth to ground water at time of deployment: 1.15
16. Date and Time of Retrieval Date: 03/27/24 Time: 09:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.2
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
397.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-41C
4. Well Permit Number: E201407799
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 450.1
10. Screened interval/open hole (fbgs) 425.1 - 450.1
11. Well Casing: Diameter: 4 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 14:23
15. Depth to Ground Water Depth to ground water at time of deployment: 20.95
16. Date and Time of Retrieval Date: 04/02/24 Time: 12:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.51
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/40 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight In-line and Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
427.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7 Wind: 11.5/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-45A
4. Well Permit Number: E201409402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 146.2
10. Screened interval/open hole (fbgs) 121.2 - 146.2
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 14:45
15. Depth to Ground Water Depth to ground water at time of deployment: 15.85
16. Date and Time of Retrieval Date: 04/02/24 Time: 13:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7 Wind: 8.1/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-52A
4. Well Permit Number: E201413312
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 115 - 130
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 12:20
15. Depth to Ground Water Depth to ground water at time of deployment: 8.05
16. Date and Time of Retrieval Date: 04/01/24 Time: 14:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.69
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/28/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 13.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-58A
4. Well Permit Number: E201413476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 240
10. Screened interval/open hole (fbgs) 215 - 240
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 10:36
15. Depth to Ground Water Depth to ground water at time of deployment: 39.34
16. Date and Time of Retrieval Date: 03/29/24 Time: 13:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.8
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
217.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/07/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 10.4/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 12.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: DW-68A
4. Well Permit Number: E201509856
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 205
10. Screened interval/open hole (fbgs) 195 - 205
11. Well Casing: Diameter: 2 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 14:17
15. Depth to Ground Water Depth to ground water at time of deployment: 11.83
16. Date and Time of Retrieval Date: 03/28/24 Time: 12:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.48
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
203.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 6.9/NW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-157C2
4. Well Permit Number: E201509285
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 105.1
10. Screened interval/open hole (fbgs) 80.1 - 105.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/05/24 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 6.27
16. Date and Time of Retrieval Date: 04/01/24 Time: 14:11
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 13.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168B
4. Well Permit Number: E201507919
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 56.7
10. Screened interval/open hole (fbgs) 31.7 - 56.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/01/24 Time: 13:33
15. Depth to Ground Water Depth to ground water at time of deployment: 9.3
16. Date and Time of Retrieval Date: 04/01/24 Time: 12:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
44.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 11.5/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 6.9/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C1
4. Well Permit Number: E201507920
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 81.8
10. Screened interval/open hole (fbgs) 56.8 - 81.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/01/24 Time: 13:49
15. Depth to Ground Water Depth to ground water at time of deployment: 9.27
16. Date and Time of Retrieval Date: 04/01/24 Time: 12:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
69.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 11.5/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 6.9/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-168C2
4. Well Permit Number: E201507921
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 106.9
10. Screened interval/open hole (fbgs) 81.9 - 106.9
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/01/24 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 9.58
16. Date and Time of Retrieval Date: 04/01/24 Time: 12:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
94.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 11.5/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 6.9/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-197A
4. Well Permit Number: E201903466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33

9. Total Well Depth (fbgs) 29.3
10. Screened interval/open hole (fbgs) 23.3 - 28.3
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/01/24 Time: 11:22
15. Depth to Ground Water Depth to ground water at time of deployment: 8.21
16. Date and Time of Retrieval Date: 03/28/24 Time: 14:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.37
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☒ **No**, this well is being profiled during this sampling round
   ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.6 Wind: 6.9/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: IW-199B
4. Well Permit Number: E201903468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 43.6
10. Screened interval/open hole (fbgs) 27.6 - 42.6
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/01/24 Time: 11:31
15. Depth to Ground Water Depth to ground water at time of deployment: 9.01
16. Date and Time of Retrieval Date: 03/28/24 Time: 14:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.35			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.6 Wind: 6.9/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-1G
4. Well Permit Number: E201216675
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 14
10. Screened interval/open hole (fbgs) 4 - 14
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 08:43
15. Depth to Ground Water Depth to ground water at time of deployment: 5.19
16. Date and Time of Retrieval Date: 03/26/24 Time: 08:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5 Wind: 3.5/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2B
4. Well Permit Number: E201501289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.69
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 47 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/28/24 Time: 13:48
15. Depth to Ground Water Depth to ground water at time of deployment: 14.8
16. Date and Time of Retrieval Date: 03/27/24 Time: 15:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
53.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-2G
4. Well Permit Number: E201216676
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 4 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 2.7
16. Date and Time of Retrieval Date: 03/26/24 Time: 08:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5 Wind: 3.5/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-15A
4. Well Permit Number: 2600051888
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 1.09
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 14:47
15. Depth to Ground Water Depth to ground water at time of deployment: 7.12
16. Date and Time of Retrieval Date: 04/01/24 Time: 13:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.95
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/26/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-16
4. Well Permit Number: 2600012044
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.19
9. Total Well Depth (fbgs) 13.8
10. Screened interval/open hole (fbgs) 3.8 - 13.8
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 2.89
16. Date and Time of Retrieval Date: 03/25/24 Time: 09:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.3
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-22A
4. Well Permit Number: 2600051883
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 44.2
10. Screened interval/open hole (fbgs) 24.2 - 44.2
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/01/24 Time: 13:12
15. Depth to Ground Water Depth to ground water at time of deployment: 7.71
16. Date and Time of Retrieval Date: 04/01/24 Time: 09:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
41.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 10.4/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24
4. Well Permit Number: 2600036932
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -5.7
9. Total Well Depth (fbgs) 41.7
10. Screened interval/open hole (fbgs) 31.7 - 41.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/26/24 Time: 11:15
15. Depth to Ground Water Depth to ground water at time of deployment: 16.85
16. Date and Time of Retrieval Date: 03/25/24 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.48
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 10.4/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 11.5/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-24C
4. Well Permit Number: E201316485
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 49.4
10. Screened interval/open hole (fbgs) 29.4 - 49.4
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/05/24 Time: 15:57
15. Depth to Ground Water Depth to ground water at time of deployment: 15
16. Date and Time of Retrieval Date: 04/01/24 Time: 08:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
40.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/19/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7 Wind: 8.1/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-43
4. Well Permit Number: 2600054720
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 24.5
10. Screened interval/open hole (fbgs) 14.5 - 24.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 12.06
16. Date and Time of Retrieval Date: 03/27/24 Time: 14:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.6			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 3.5/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44
4. Well Permit Number: 2600054721
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 19.1
10. Screened interval/open hole (fbgs) 9.1 - 19.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 12:45
15. Depth to Ground Water Depth to ground water at time of deployment: 8.05
16. Date and Time of Retrieval Date: 03/27/24 Time: 14:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.9
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 12 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/21/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 40 Wind: / ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44B
4. Well Permit Number: E201304514
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45.1
10. Screened interval/open hole (fbgs) 35.1 - 45.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 12:50
15. Depth to Ground Water Depth to ground water at time of deployment: 11.26
16. Date and Time of Retrieval Date: 03/27/24 Time: 15:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 40 Wind: / ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-44C
4. Well Permit Number: E201302491
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 81.3
10. Screened interval/open hole (fbgs) 61.3 - 81.3
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 12:55
15. Depth to Ground Water Depth to ground water at time of deployment: 16.79
16. Date and Time of Retrieval Date: 03/27/24 Time: 15:18
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.9
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-46
4. Well Permit Number: 2600060830
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 38 - 62
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/04/24 Time: 15:12
15. Depth to Ground Water Depth to ground water at time of deployment: 40.17
16. Date and Time of Retrieval Date: 04/01/24 Time: 10:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.85
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
59.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/30/04
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/NE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-58
4. Well Permit Number: 2600068227
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 36
10. Screened interval/open hole (fbgs) 21 - 36
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 08:38
15. Depth to Ground Water Depth to ground water at time of deployment: 17.45
16. Date and Time of Retrieval Date: 03/25/24 Time: 08:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.91
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
32.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/15/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.2 Wind: 6.9/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-80C
4. Well Permit Number: E201316488
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.32
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/26/24 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 17.38
16. Date and Time of Retrieval Date: 03/25/24 Time: 11:26
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/18/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 10.4/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-102
4. Well Permit Number: P200804386
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/05/24 Time: 12:00
15. Depth to Ground Water Depth to ground water at time of deployment: 6.7
16. Date and Time of Retrieval Date: 04/01/24 Time: 14:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.93
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
11.85			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/24/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 13.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-104B
4. Well Permit Number: P200804398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.74
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/27/24 Time: 11:11
15. Depth to Ground Water Depth to ground water at time of deployment: 3.33
16. Date and Time of Retrieval Date: 03/26/24 Time: 10:38
17. Depth to Ground Water Depth to ground water at time of retrieval: 2
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
30.85			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 8.1/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105A
4. Well Permit Number: P200804389
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 12
10. Screened interval/open hole (fbgs) 7 - 12
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 11:30
15. Depth to Ground Water Depth to ground water at time of deployment: 1.28
16. Date and Time of Retrieval Date: 03/27/24 Time: 10:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
8.65			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 4.6/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-105B
4. Well Permit Number: P200804399
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/27/24 Time: 11:45
15. Depth to Ground Water Depth to ground water at time of deployment: 0
16. Date and Time of Retrieval Date: 03/27/24 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.66
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
36.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/05/16
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 4.6/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106A
4. Well Permit Number: P200804390
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 13
10. Screened interval/open hole (fbgs) 8 - 13
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 10:58
15. Depth to Ground Water Depth to ground water at time of deployment: 4.41
16. Date and Time of Retrieval Date: 03/26/24 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
10.15			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 9.2/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-106B
4. Well Permit Number: P200804400
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.65
9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/27/24 Time: 11:03
15. Depth to Ground Water Depth to ground water at time of deployment: 0.25
16. Date and Time of Retrieval Date: 03/26/24 Time: 10:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 0.6
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
31.95			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/27/09
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7.2 Wind: 6.9/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 9.2/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-112A
4. Well Permit Number: E201412398
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 5.25
16. Date and Time of Retrieval Date: 03/26/24 Time: 12:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114
4. Well Permit Number: P200910160
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/28/24 Time: 08:20
15. Depth to Ground Water Depth to ground water at time of deployment: 44.03
16. Date and Time of Retrieval Date: 03/26/24 Time: 14:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 39.96
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
76.15			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 9.2/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 4.6/SSE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-114A
4. Well Permit Number: E201403604
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 75
10. Screened interval/open hole (fbgs) 65 - 75
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 08:26
15. Depth to Ground Water Depth to ground water at time of deployment: 44.43
16. Date and Time of Retrieval Date: 03/26/24 Time: 14:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.41
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 9.2/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 9.2/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-117
4. Well Permit Number: E201311393
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 14:58
15. Depth to Ground Water Depth to ground water at time of deployment: 40.8
16. Date and Time of Retrieval Date: 04/01/24 Time: 13:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-120
4. Well Permit Number: P200910157
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 30 - 80
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 09:38
15. Depth to Ground Water Depth to ground water at time of deployment: 45.39
16. Date and Time of Retrieval Date: 04/02/24 Time: 08:07
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 10.4/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124A
4. Well Permit Number: E201308748
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 15 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 13:43
15. Depth to Ground Water Depth to ground water at time of deployment: 19.71
16. Date and Time of Retrieval Date: 03/26/24 Time: 11:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.4
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
23.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-124B
4. Well Permit Number: E201000869
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46

9. Total Well Depth (fbgs) 34
10. Screened interval/open hole (fbgs) 24 - 34
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A

14. Date and Time of Deployment Date: 02/27/24 Time: 13:49
15. Depth to Ground Water Depth to ground water at time of deployment: 22.53
16. Date and Time of Retrieval Date: 03/26/24 Time: 12:00
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.17
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
26.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/10/11

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126
4. Well Permit Number: E201012851
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/28/24 Time: 09:02
15. Depth to Ground Water Depth to ground water at time of deployment: 5.51
16. Date and Time of Retrieval Date: 03/27/24 Time: 08:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
9.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126B
4. Well Permit Number: E201405728
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 09:07
15. Depth to Ground Water Depth to ground water at time of deployment: 5.38
16. Date and Time of Retrieval Date: 03/27/24 Time: 08:21
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-126C
4. Well Permit Number: E201405729
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29

9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 02/28/24 Time: 09:12
15. Depth to Ground Water Depth to ground water at time of deployment: 4.86
16. Date and Time of Retrieval Date: 03/27/24 Time: 08:33
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.18
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131
4. Well Permit Number: E201113439
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 22.5
10. Screened interval/open hole (fbgs) 12.5 - 22.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 13:14
15. Depth to Ground Water Depth to ground water at time of deployment: 12.32
16. Date and Time of Retrieval Date: 03/26/24 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.64
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.2			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/ ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 3.5/ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131B
4. Well Permit Number: E201403623
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 13:10
15. Depth to Ground Water Depth to ground water at time of deployment: 13
16. Date and Time of Retrieval Date: 03/26/24 Time: 11:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
34.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/ ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 3.5/ ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-131C
4. Well Permit Number: E201403624
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 22.45
16. Date and Time of Retrieval Date: 03/26/24 Time: 10:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.6
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/27/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 3.5/ ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 8.1/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136
4. Well Permit Number: E201113727
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 19
10. Screened interval/open hole (fbgs) 9 - 19
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/29/24 Time: 14:05
15. Depth to Ground Water Depth to ground water at time of deployment: 9.35
16. Date and Time of Retrieval Date: 03/28/24 Time: 12:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.79
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
14.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 6.9/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136B
4. Well Permit Number: E201416041
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.57
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/29/24 Time: 14:07
15. Depth to Ground Water Depth to ground water at time of deployment: 10.32
16. Date and Time of Retrieval Date: 03/28/24 Time: 12:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-136C
4. Well Permit Number: E201415879
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 14:12
15. Depth to Ground Water Depth to ground water at time of deployment: 12
16. Date and Time of Retrieval Date: 03/28/24 Time: 12:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
95.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143
4. Well Permit Number: E201115791
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 26.5
10. Screened interval/open hole (fbgs) 16.5 - 26.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 14:46
15. Depth to Ground Water Depth to ground water at time of deployment: 13.82
16. Date and Time of Retrieval Date: 03/26/24 Time: 14:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.65
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
19.4			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 9.2/ESE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143B
4. Well Permit Number: E201403608
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 14:30
15. Depth to Ground Water Depth to ground water at time of deployment: 14.14
16. Date and Time of Retrieval Date: 03/26/24 Time: 14:09
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.35
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/10/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-143C
4. Well Permit Number: E201412330
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.53
9. Total Well Depth (fbgs) 85
10. Screened interval/open hole (fbgs) 75 - 85
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 14:35
15. Depth to Ground Water Depth to ground water at time of deployment: 14.03
16. Date and Time of Retrieval Date: 03/26/24 Time: 14:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.15
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 6.9/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-145A
4. Well Permit Number: E201204688
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 27.5
10. Screened interval/open hole (fbgs) 17.5 - 27.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 11:47
15. Depth to Ground Water Depth to ground water at time of deployment: 13.86
16. Date and Time of Retrieval Date: 03/26/24 Time: 09:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.2
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.05			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 5.8/ENE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 6.9/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146A
4. Well Permit Number: E201204689
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.51
9. Total Well Depth (fbgs) 27.1
10. Screened interval/open hole (fbgs) 17.1 - 27.1
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/04/24 Time: 10:35
15. Depth to Ground Water Depth to ground water at time of deployment: 15.79
16. Date and Time of Retrieval Date: 04/02/24 Time: 14:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.95
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 9.2/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146B
4. Well Permit Number: E201306327
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.61
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 42 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 10:21
15. Depth to Ground Water Depth to ground water at time of deployment: 29.88
16. Date and Time of Retrieval Date: 04/02/24 Time: 14:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 26.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
54.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 9.2/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-146C
4. Well Permit Number: E201306326
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.58
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 10:11
15. Depth to Ground Water Depth to ground water at time of deployment: 33
16. Date and Time of Retrieval Date: 04/02/24 Time: 14:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.46
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 6.9/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 9.2/E ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148A
4. Well Permit Number: E201207238
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 27.6
10. Screened interval/open hole (fbgs) 17.6 - 27.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 13:30
15. Depth to Ground Water Depth to ground water at time of deployment: 21.83
16. Date and Time of Retrieval Date: 03/26/24 Time: 11:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.37
18. Type of Deployment Line Used Diameter: 3/64" Material: Teflon Lined
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
25.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-148B
4. Well Permit Number: E201207239
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52
9. Total Well Depth (fbgs) 47.8
10. Screened interval/open hole (fbgs) 36.8 - 47.8
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/27/24 Time: 13:34
15. Depth to Ground Water Depth to ground water at time of deployment: 21.81
16. Date and Time of Retrieval Date: 03/26/24 Time: 11:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 21.93
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/12
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170AR
4. Well Permit Number: E201510908
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 17
10. Screened interval/open hole (fbgs) 7 - 17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/28/24 Time: 13:16
15. Depth to Ground Water Depth to ground water at time of deployment: 13.05
16. Date and Time of Retrieval Date: 03/27/24 Time: 15:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
16			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-170BR
4. Well Permit Number: E201510907
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/28/24 Time: 13:11
15. Depth to Ground Water Depth to ground water at time of deployment: 11.87
16. Date and Time of Retrieval Date: 03/27/24 Time: 15:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.29
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 14.4 Wind: 9.2/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/WSW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171A
4. Well Permit Number: E201306954
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 35
10. Screened interval/open hole (fbgs) 25 - 35
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 09:35
15. Depth to Ground Water Depth to ground water at time of deployment: 2.5
16. Date and Time of Retrieval Date: 03/26/24 Time: 09:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 14.78
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 4.6/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171B
4. Well Permit Number: E201307651
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 09:38
15. Depth to Ground Water Depth to ground water at time of deployment: 15.8
16. Date and Time of Retrieval Date: 03/26/24 Time: 09:16
17. Depth to Ground Water Depth to ground water at time of retrieval: 15.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 4.6/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 6.9/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-171C
4. Well Permit Number: E201307673
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 09:41
15. Depth to Ground Water Depth to ground water at time of deployment: 13.78
16. Date and Time of Retrieval Date: 03/26/24 Time: 08:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 4.6/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-172
4. Well Permit Number: E201306956
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/05/24 Time: 11:01
15. Depth to Ground Water Depth to ground water at time of deployment: 31.4
16. Date and Time of Retrieval Date: 03/29/24 Time: 13:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.64
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 13.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 12.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-174
4. Well Permit Number: E201303564
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 28 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/28/24 Time: 13:39
15. Depth to Ground Water Depth to ground water at time of deployment: 11.54
16. Date and Time of Retrieval Date: 04/02/24 Time: 07:44
17. Depth to Ground Water Depth to ground water at time of retrieval: 11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/19/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.9 Wind: 10.4/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 4.6/NNE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201
4. Well Permit Number: E201303451
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 37
10. Screened interval/open hole (fbgs) 27 - 37
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 9.65
16. Date and Time of Retrieval Date: 03/29/24 Time: 10:03
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
29.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 17.3/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201A
4. Well Permit Number: E201306049
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 09:07
15. Depth to Ground Water Depth to ground water at time of deployment: 10.05
16. Date and Time of Retrieval Date: 03/29/24 Time: 09:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
22.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 17.3/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201B
4. Well Permit Number: E201411640
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 09:20
15. Depth to Ground Water Depth to ground water at time of deployment: 9.23
16. Date and Time of Retrieval Date: 03/29/24 Time: 10:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 17.3/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-201C
4. Well Permit Number: E201411639
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34

9. Total Well Depth (fbgs) 96
10. Screened interval/open hole (fbgs) 86 - 96
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/01/24 Time: 09:12
15. Depth to Ground Water Depth to ground water at time of deployment: 14.62
16. Date and Time of Retrieval Date: 03/29/24 Time: 10:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 12.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 01/02/15

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 0.6 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 15.0/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-204C
4. Well Permit Number: E201304823
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 76.5
10. Screened interval/open hole (fbgs) 56.5 - 76.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/01/24 Time: 14:18
15. Depth to Ground Water Depth to ground water at time of deployment: 14.69
16. Date and Time of Retrieval Date: 04/01/24 Time: 13:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.46
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 6.1 Wind: 11.5/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 6.9/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206B
4. Well Permit Number: E201304512
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.2

9. Total Well Depth (fbgs) 51.5
10. Screened interval/open hole (fbgs) 41.5 - 51.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 02/29/24 Time: 11:11
15. Depth to Ground Water Depth to ground water at time of deployment: 4.22
16. Date and Time of Retrieval Date: 03/28/24 Time: 10:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 1.7 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-206C
4. Well Permit Number: E201302486
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 81.5
10. Screened interval/open hole (fbgs) 61.5 - 81.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 11:12
15. Depth to Ground Water Depth to ground water at time of deployment: 3.48
16. Date and Time of Retrieval Date: 03/28/24 Time: 11:04
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/18/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207A
4. Well Permit Number: E201304515
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 15
10. Screened interval/open hole (fbgs) 5 - 15
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 11:00
15. Depth to Ground Water Depth to ground water at time of deployment: 5.64
16. Date and Time of Retrieval Date: 03/27/24 Time: 13:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 1.64
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
7.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: / ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207B
4. Well Permit Number: E201304516
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 48
10. Screened interval/open hole (fbgs) 38 - 48
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 11:03
15. Depth to Ground Water Depth to ground water at time of deployment: 6.77
16. Date and Time of Retrieval Date: 03/27/24 Time: 13:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
45.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-207C
4. Well Permit Number: E201302495
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 11:06
15. Depth to Ground Water Depth to ground water at time of deployment: 7.61
16. Date and Time of Retrieval Date: 03/27/24 Time: 13:32
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/17/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209A
4. Well Permit Number: E201306459
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 18
10. Screened interval/open hole (fbgs) 8 - 18
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 09:07
15. Depth to Ground Water Depth to ground water at time of deployment: 3.47
16. Date and Time of Retrieval Date: 03/26/24 Time: 08:41
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.33
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
15.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5 Wind: 3.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-209B
4. Well Permit Number: E201306460
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 09:12
15. Depth to Ground Water Depth to ground water at time of deployment: 4.27
16. Date and Time of Retrieval Date: 03/26/24 Time: 08:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.44
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5 Wind: 3.5/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5 Wind: 6.9/NNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213B
4. Well Permit Number: E201311462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/29/24 Time: 13:19
15. Depth to Ground Water Depth to ground water at time of deployment: 27
16. Date and Time of Retrieval Date: 04/02/24 Time: 10:47
17. Depth to Ground Water Depth to ground water at time of retrieval: 25.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.3 Wind: 16.1/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 10.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-213C
4. Well Permit Number: E201311466
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/29/24 Time: 13:21
15. Depth to Ground Water Depth to ground water at time of deployment: 29.98
16. Date and Time of Retrieval Date: 04/02/24 Time: 10:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 27.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/02/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 10.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214A
4. Well Permit Number: E201311468
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 20 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/29/24 Time: 13:40
15. Depth to Ground Water Depth to ground water at time of deployment: 18.95
16. Date and Time of Retrieval Date: 04/02/24 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
24			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 10.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214B
4. Well Permit Number: E201312148
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/29/24 Time: 13:38
15. Depth to Ground Water Depth to ground water at time of deployment: 18.19
16. Date and Time of Retrieval Date: 04/02/24 Time: 09:39
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 10.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-214C
4. Well Permit Number: E201311480
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/29/24 Time: 13:42
15. Depth to Ground Water Depth to ground water at time of deployment: 19.27
16. Date and Time of Retrieval Date: 04/02/24 Time: 09:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 18.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/01/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 10.4/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-215C
4. Well Permit Number: E201311204
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.36
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 11:20
15. Depth to Ground Water Depth to ground water at time of deployment: 8.46
16. Date and Time of Retrieval Date: 04/02/24 Time: 08:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.89
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-216C
4. Well Permit Number: E201311207
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 09:40
15. Depth to Ground Water Depth to ground water at time of deployment: 21.09
16. Date and Time of Retrieval Date: 04/02/24 Time: 14:10
17. Depth to Ground Water Depth to ground water at time of retrieval: 20.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 09/30/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 6.9/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 6.9/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222
4. Well Permit Number: E201313503
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 70 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/04/24 Time: 08:39
15. Depth to Ground Water Depth to ground water at time of deployment: 21.13
16. Date and Time of Retrieval Date: 03/29/24 Time: 11:29
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
72.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10 Wind: 5.8/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-222C
4. Well Permit Number: E201311482
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 257
10. Screened interval/open hole (fbgs) 247 - 257
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/04/24 Time: 08:45
15. Depth to Ground Water Depth to ground water at time of deployment: 29.95
16. Date and Time of Retrieval Date: 03/29/24 Time: 11:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.38
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
254.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/12/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10 Wind: 5.8/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-230C
4. Well Permit Number: E201315813
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43

9. Total Well Depth (fbgs) 80.8
10. Screened interval/open hole (fbgs) 60.8 - 80.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 02/29/24 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 3.54
16. Date and Time of Retrieval Date: 03/28/24 Time: 09:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
67.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 0 Wind: 15.0/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236B
4. Well Permit Number: E201312196
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.56
9. Total Well Depth (fbgs) 40
10. Screened interval/open hole (fbgs) 30 - 40
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/04/24 Time: 11:51
15. Depth to Ground Water Depth to ground water at time of deployment: 9.08
16. Date and Time of Retrieval Date: 04/02/24 Time: 08:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.86
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/E ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-236C
4. Well Permit Number: E201312197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/04/24 Time: 11:47
15. Depth to Ground Water Depth to ground water at time of deployment: 11.03
16. Date and Time of Retrieval Date: 04/02/24 Time: 08:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.69
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/E ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.2 Wind: 3.5/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-237C
4. Well Permit Number: E201315220
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 120
10. Screened interval/open hole (fbgs) 110 - 120
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 28.86
16. Date and Time of Retrieval Date: 03/25/24 Time: 09:23
17. Depth to Ground Water Depth to ground water at time of retrieval: 27.02
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
112.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 13.8/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-238C
4. Well Permit Number: E201312547
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 69.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 14:03
15. Depth to Ground Water Depth to ground water at time of deployment: 11.87
16. Date and Time of Retrieval Date: 04/01/24 Time: 12:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/25/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 11.5/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 6.9/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-243B
4. Well Permit Number: E201401692
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.27
9. Total Well Depth (fbgs) 51.1
10. Screened interval/open hole (fbgs) 31.1 - 51.1
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/29/24 Time: 14:02
15. Depth to Ground Water Depth to ground water at time of deployment: 10.21
16. Date and Time of Retrieval Date: 04/01/24 Time: 08:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
49.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 3.9 Wind: 13.8/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257A
4. Well Permit Number: E201316278
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 10:50
15. Depth to Ground Water Depth to ground water at time of deployment: 13.68
16. Date and Time of Retrieval Date: 04/02/24 Time: 13:35
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 8.1/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-257B
4. Well Permit Number: E201316279
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 10:59
15. Depth to Ground Water Depth to ground water at time of deployment: 14.01
16. Date and Time of Retrieval Date: 04/02/24 Time: 13:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.7 Wind: 5.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 8.1/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258B
4. Well Permit Number: E201315392
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 59 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 09:28
15. Depth to Ground Water Depth to ground water at time of deployment: 54.2
16. Date and Time of Retrieval Date: 03/29/24 Time: 12:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.76
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 10.6 Wind: 6.9/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-258C
4. Well Permit Number: E201314458
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32

9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 105 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/04/24 Time: 09:22
15. Depth to Ground Water Depth to ground water at time of deployment: 59.98
16. Date and Time of Retrieval Date: 03/29/24 Time: 11:57
17. Depth to Ground Water Depth to ground water at time of retrieval: 56.13
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
107.5			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 10.6 Wind: 6.9/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 19.6/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-259BR
4. Well Permit Number: E202010337
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/28/24 Time: 11:05
15. Depth to Ground Water Depth to ground water at time of deployment: 4.02
16. Date and Time of Retrieval Date: 04/25/24 Time: 12:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/20
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 5.8/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260C
4. Well Permit Number: E201310429
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44

9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01

14. Date and Time of Deployment Date: 03/04/24 Time: 13:34
15. Depth to Ground Water Depth to ground water at time of deployment: 56.76
16. Date and Time of Retrieval Date: 03/29/24 Time: 14:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 53.09
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 11/13/13

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 13.3 Wind: 9.2/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 25.3/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-260-S3
4. Well Permit Number: E201403642
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 136.2
10. Screened interval/open hole (fbgs) 121.2 - 136.2
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 13:20
15. Depth to Ground Water Depth to ground water at time of deployment: 62.3
16. Date and Time of Retrieval Date: 03/29/24 Time: 14:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 60.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 9.2/E ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 25.3/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265B
4. Well Permit Number: E201318473
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 40 - 50
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/19/24 Time: 14:00
15. Depth to Ground Water Depth to ground water at time of deployment: 12.8
16. Date and Time of Retrieval Date: 04/25/24 Time: 12:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.46
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-19
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 16.1/W ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-265C
4. Well Permit Number: E201403229
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/26/24 Time: 10:10
15. Depth to Ground Water Depth to ground water at time of deployment: 18.35
16. Date and Time of Retrieval Date: 03/25/24 Time: 10:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.24
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 13.8/ENE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266A
4. Well Permit Number: E201318470
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 37.8
10. Screened interval/open hole (fbgs) 27.8 - 37.8
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 09:21
15. Depth to Ground Water Depth to ground water at time of deployment: 2.54
16. Date and Time of Retrieval Date: 03/25/24 Time: 08:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☒ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☐ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.8 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266B
4. Well Permit Number: E201318471
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 70
10. Screened interval/open hole (fbgs) 60 - 70
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 09:10
15. Depth to Ground Water Depth to ground water at time of deployment: 2.96
16. Date and Time of Retrieval Date: 03/25/24 Time: 09:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 2.57
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.7			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.2 Wind: 6.9/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-266C
4. Well Permit Number: E201318472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 09:00
15. Depth to Ground Water Depth to ground water at time of deployment: 6.65
16. Date and Time of Retrieval Date: 03/25/24 Time: 08:42
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.6			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 2.2 Wind: 6.9/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 2.8 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267A
4. Well Permit Number: E201400817
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.4
9. Total Well Depth (fbgs) 56
10. Screened interval/open hole (fbgs) 46 - 56
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 08:30
15. Depth to Ground Water Depth to ground water at time of deployment: 24.18
16. Date and Time of Retrieval Date: 03/29/24 Time: 07:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 22.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
48.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/21/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0 Wind: 15.0/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-267B
4. Well Permit Number: E201318590
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.46
9. Total Well Depth (fbgs) 105
10. Screened interval/open hole (fbgs) 95 - 105
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 08:25
15. Depth to Ground Water Depth to ground water at time of deployment: 29.3
16. Date and Time of Retrieval Date: 03/29/24 Time: 07:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 28.42
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
97.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/24/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0 Wind: 15.0/WNW ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 4.4 Wind: 10.4/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269A
4. Well Permit Number: E201401593
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.29
9. Total Well Depth (fbgs) 57
10. Screened interval/open hole (fbgs) 47 - 57
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 14:43
15. Depth to Ground Water Depth to ground water at time of deployment: 50.4
16. Date and Time of Retrieval Date: 04/01/24 Time: 10:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 47.11
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
55.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/NE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-269C
4. Well Permit Number: E201401594
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 125
10. Screened interval/open hole (fbgs) 115 - 125
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 14:37
15. Depth to Ground Water Depth to ground water at time of deployment: 40.1
16. Date and Time of Retrieval Date: 04/01/24 Time: 10:19
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.47
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
122.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 11.5/ESE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-270A
4. Well Permit Number: E201401596
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 62
10. Screened interval/open hole (fbgs) 52 - 62
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/04/24 Time: 14:11
15. Depth to Ground Water Depth to ground water at time of deployment: 54.85
16. Date and Time of Retrieval Date: 04/01/24 Time: 09:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 52
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-04
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
60.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 13.3 Wind: 9.2/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271A
4. Well Permit Number: E201404694
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 14:46
15. Depth to Ground Water Depth to ground water at time of deployment: 36.24
16. Date and Time of Retrieval Date: 03/25/24 Time: 14:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 32.63
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271B
4. Well Permit Number: E201404618
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 14:39
15. Depth to Ground Water Depth to ground water at time of deployment: 47
16. Date and Time of Retrieval Date: 03/25/24 Time: 14:54
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.21
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-271C
4. Well Permit Number: E201404615
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.34
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 125 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 14:49
15. Depth to Ground Water Depth to ground water at time of deployment: 51.01
16. Date and Time of Retrieval Date: 03/25/24 Time: 14:40
17. Depth to Ground Water Depth to ground water at time of retrieval: 48.08
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273B
4. Well Permit Number: E201401462
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.49

9. Total Well Depth (fbgs) 51.47
10. Screened interval/open hole (fbgs) 41.47 - 51.47
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 02/29/24 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 4.73
16. Date and Time of Retrieval Date: 03/28/24 Time: 08:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.38
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 0.6 Wind: 12.7/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-273C
4. Well Permit Number: E201401463
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 102.17
10. Screened interval/open hole (fbgs) 92.17 - 102.17
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 09:55
15. Depth to Ground Water Depth to ground water at time of deployment: 5
16. Date and Time of Retrieval Date: 03/28/24 Time: 08:58
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
93.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 12.7/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.9 Wind: 3.5/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274A
4. Well Permit Number: E201404620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.33
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 5 - 20
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 10:11
15. Depth to Ground Water Depth to ground water at time of deployment: 4.48
16. Date and Time of Retrieval Date: 03/28/24 Time: 11:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.98
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 12.7/NW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274B
4. Well Permit Number: E201404621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 65
10. Screened interval/open hole (fbgs) 55 - 65
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 02/29/24 Time: 10:25
15. Depth to Ground Water Depth to ground water at time of deployment: 8.75
16. Date and Time of Retrieval Date: 03/28/24 Time: 11:25
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
57.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 1.7 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-274C
4. Well Permit Number: E201404622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 95
10. Screened interval/open hole (fbgs) 85 - 95
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/29/24 Time: 10:28
15. Depth to Ground Water Depth to ground water at time of deployment: 8.06
16. Date and Time of Retrieval Date: 03/28/24 Time: 11:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.55
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-29
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 1.7 Wind: 20.7/WNW ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-275B
4. Well Permit Number: E201405043
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.48
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 09:31
15. Depth to Ground Water Depth to ground water at time of deployment: 4.5
16. Date and Time of Retrieval Date: 03/27/24 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.59
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
37.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 5.8/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276A
4. Well Permit Number: E201403620
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 30
10. Screened interval/open hole (fbgs) 20 - 30
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 14:07
15. Depth to Ground Water Depth to ground water at time of deployment: 18.95
16. Date and Time of Retrieval Date: 03/26/24 Time: 13:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.82
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
27.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276B
4. Well Permit Number: E201403621
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 14:10
15. Depth to Ground Water Depth to ground water at time of deployment: 18.6
16. Date and Time of Retrieval Date: 03/26/24 Time: 13:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.62
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-276C
4. Well Permit Number: E201403622
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/27/24 Time: 14:14
15. Depth to Ground Water Depth to ground water at time of deployment: 37.73
16. Date and Time of Retrieval Date: 03/26/24 Time: 13:34
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 10.4/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-288B
4. Well Permit Number: E201403944
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.52

9. Total Well Depth (fbgs) 54.7
10. Screened interval/open hole (fbgs) 34.7 - 54.7
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/01/24 Time: 14:09
15. Depth to Ground Water Depth to ground water at time of deployment: 13.47
16. Date and Time of Retrieval Date: 04/01/24 Time: 13:06
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.56
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/06/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 6.1 Wind: 11.5/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 6.9/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295A
4. Well Permit Number: E201404289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.22
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/26/24 Time: 11:58
15. Depth to Ground Water Depth to ground water at time of deployment: 17.58
16. Date and Time of Retrieval Date: 03/25/24 Time: 12:08
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.1
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/05/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 4.6/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-295C
4. Well Permit Number: E201511978
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.55
9. Total Well Depth (fbgs) 84.7
10. Screened interval/open hole (fbgs) 76.7 - 84.7
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/26/24 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 22.11
16. Date and Time of Retrieval Date: 03/25/24 Time: 11:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 19.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
80.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 4.6/WNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 8.1/NE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304A
4. Well Permit Number: E201510844
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 20
10. Screened interval/open hole (fbgs) 10 - 20
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 10:02
15. Depth to Ground Water Depth to ground water at time of deployment: 9.16
16. Date and Time of Retrieval Date: 03/26/24 Time: 09:53
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 4.6/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 9.2/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304B
4. Well Permit Number: E201510845
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.39
9. Total Well Depth (fbgs) 50
10. Screened interval/open hole (fbgs) 30 - 50
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 10:06
15. Depth to Ground Water Depth to ground water at time of deployment: 8.4
16. Date and Time of Retrieval Date: 03/26/24 Time: 09:36
17. Depth to Ground Water Depth to ground water at time of retrieval: 7.5
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
38.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 4.6/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 5.6 Wind: 6.9/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-304C
4. Well Permit Number: E201510846
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.28
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 70 - 90
11. Well Casing: Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 4 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 02/27/24 Time: 10:11
15. Depth to Ground Water Depth to ground water at time of deployment: 7.04
16. Date and Time of Retrieval Date: 03/26/24 Time: 09:43
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-27
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 4.6/ ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 9.2/NE ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-320C
4. Well Permit Number: E201405734
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 67.9
10. Screened interval/open hole (fbgs) 57.9 - 67.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 13:22
15. Depth to Ground Water Depth to ground water at time of deployment: 5.27
16. Date and Time of Retrieval Date: 04/01/24 Time: 09:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.51
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
63.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/29/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.1 Wind: 11.5/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 4.6/ENE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-347B
4. Well Permit Number: E201407735
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 10:25
15. Depth to Ground Water Depth to ground water at time of deployment: 6.19
16. Date and Time of Retrieval Date: 03/27/24 Time: 11:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.14
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
47.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 8.1/S ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-348B
4. Well Permit Number: E201407806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 10:40
15. Depth to Ground Water Depth to ground water at time of deployment: 6.73
16. Date and Time of Retrieval Date: 03/27/24 Time: 11:31
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.23
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
52.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 7.8 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349B
4. Well Permit Number: E201408235
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41

9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 40 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 02/28/24 Time: 09:45
15. Depth to Ground Water Depth to ground water at time of deployment: 5.23
16. Date and Time of Retrieval Date: 03/27/24 Time: 09:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.26
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-349C
4. Well Permit Number: E201408236
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.43
9. Total Well Depth (fbgs) 100
10. Screened interval/open hole (fbgs) 90 - 100
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 09:50
15. Depth to Ground Water Depth to ground water at time of deployment: 5.29
16. Date and Time of Retrieval Date: 03/27/24 Time: 09:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 4.36
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
92.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/08/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 6.9/S ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.7 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-351C
4. Well Permit Number: E201409431
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 87.52
10. Screened interval/open hole (fbgs) 62.52 - 87.52
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/28/24 Time: 16:10
15. Depth to Ground Water Depth to ground water at time of deployment: 16.53
16. Date and Time of Retrieval Date: 04/25/24 Time: 12:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 17.53
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
62.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 8.1/NNW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10.6 Wind: 0.0/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353A
4. Well Permit Number: E201501296
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/01/24 Time: 08:32
15. Depth to Ground Water Depth to ground water at time of deployment: 34.5
16. Date and Time of Retrieval Date: 03/29/24 Time: 09:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 27.2
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 15.0/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353B
4. Well Permit Number: E201501297
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.41
9. Total Well Depth (fbgs) 84
10. Screened interval/open hole (fbgs) 74 - 84
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/01/24 Time: 08:41
15. Depth to Ground Water Depth to ground water at time of deployment: 31.89
16. Date and Time of Retrieval Date: 03/29/24 Time: 09:12
17. Depth to Ground Water Depth to ground water at time of retrieval: 27.61
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
77.05			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 15.0/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-353C
4. Well Permit Number: E201501299
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.45
9. Total Well Depth (fbgs) 130
10. Screened interval/open hole (fbgs) 120 - 130
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/01/24 Time: 08:48
15. Depth to Ground Water Depth to ground water at time of deployment: 45.28
16. Date and Time of Retrieval Date: 03/29/24 Time: 09:20
17. Depth to Ground Water Depth to ground water at time of retrieval: 31.85
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
125			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/03/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 0.6 Wind: 5.8/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 15.0/NNW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-357A
4. Well Permit Number: E201409766
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.5
9. Total Well Depth (fbgs) 25.4
10. Screened interval/open hole (fbgs) 15.4 - 25.4
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/05/24 Time: 16:16
15. Depth to Ground Water Depth to ground water at time of deployment: 5.32
16. Date and Time of Retrieval Date: 04/01/24 Time: 08:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
20.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 10/09/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7 Wind: 8.1/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-366B
4. Well Permit Number: E201412402
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 45
10. Screened interval/open hole (fbgs) 35 - 45
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 12:13
15. Depth to Ground Water Depth to ground water at time of deployment: 9.95
16. Date and Time of Retrieval Date: 04/01/24 Time: 14:27
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
42.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 12/11/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 13.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 3.5/N ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373B
4. Well Permit Number: E201502842
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 77
10. Screened interval/open hole (fbgs) 67 - 77
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 10:53
15. Depth to Ground Water Depth to ground water at time of deployment: 39.28
16. Date and Time of Retrieval Date: 03/29/24 Time: 13:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.84
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
74.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 10.4/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 12.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-373C
4. Well Permit Number: E201502843
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.37
9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 10:42
15. Depth to Ground Water Depth to ground water at time of deployment: 39.36
16. Date and Time of Retrieval Date: 03/29/24 Time: 13:46
17. Depth to Ground Water Depth to ground water at time of retrieval: 37.7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 10.4/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 12.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375A
4. Well Permit Number: E201414287
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 54
10. Screened interval/open hole (fbgs) 34 - 54
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 02/26/24 Time: 14:06
15. Depth to Ground Water Depth to ground water at time of deployment: 28.03
16. Date and Time of Retrieval Date: 03/25/24 Time: 14:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 24.06
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
51.5			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 8.3 Wind: 4.6/ESE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375B
4. Well Permit Number: E201414288
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.42
9. Total Well Depth (fbgs) 78
10. Screened interval/open hole (fbgs) 68 - 78
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 14:13
15. Depth to Ground Water Depth to ground water at time of deployment: 29.83
16. Date and Time of Retrieval Date: 03/25/24 Time: 14:22
17. Depth to Ground Water Depth to ground water at time of retrieval: 26.05
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-375C
4. Well Permit Number: E201414289
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.38
9. Total Well Depth (fbgs) 135
10. Screened interval/open hole (fbgs) 115 - 135
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 14:17
15. Depth to Ground Water Depth to ground water at time of deployment: 42.91
16. Date and Time of Retrieval Date: 03/25/24 Time: 14:28
17. Depth to Ground Water Depth to ground water at time of retrieval: 40.03
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
127.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/08/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 9.4 Wind: 8.1/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376B
4. Well Permit Number: E201414290
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.3
9. Total Well Depth (fbgs) 86
10. Screened interval/open hole (fbgs) 76 - 86
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 15:15
15. Depth to Ground Water Depth to ground water at time of deployment: 39.15
16. Date and Time of Retrieval Date: 03/25/24 Time: 15:24
17. Depth to Ground Water Depth to ground water at time of retrieval: 36.25
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
81.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/10/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 6.9/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-376C
4. Well Permit Number: E201414291
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 128
10. Screened interval/open hole (fbgs) 113 - 128
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 15:07
15. Depth to Ground Water Depth to ground water at time of deployment: 52.15
16. Date and Time of Retrieval Date: 03/25/24 Time: 15:30
17. Depth to Ground Water Depth to ground water at time of retrieval: 49.73
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
120.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 03/17/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 11.1 Wind: 11.5/SSW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 6.9/SE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377B
4. Well Permit Number: E201500786
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 90
10. Screened interval/open hole (fbgs) 80 - 90
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 09:59
15. Depth to Ground Water Depth to ground water at time of deployment: 46.53
16. Date and Time of Retrieval Date: 03/29/24 Time: 14:17
17. Depth to Ground Water Depth to ground water at time of retrieval: 43.8
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
87.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 10.4/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 12.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-377C
4. Well Permit Number: E201500787
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35
9. Total Well Depth (fbgs) 118
10. Screened interval/open hole (fbgs) 108 - 118
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 10:14
15. Depth to Ground Water Depth to ground water at time of deployment: 47.2
16. Date and Time of Retrieval Date: 03/29/24 Time: 14:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 44.05
18. Type of Deployment Line Used Diameter: 3/64" Material: Stainless steel
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
110.55			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 04/09/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 10.4/E ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 12.2 Wind: 12.7/NW ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-383A
4. Well Permit Number: E201415541
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -6.35
9. Total Well Depth (fbgs) 25
10. Screened interval/open hole (fbgs) 10 - 25
11. Well Casing: Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☐ PVC ☐ Carbon Steel ☒ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/26/24 Time: 11:08
15. Depth to Ground Water Depth to ground water at time of deployment: 15.59
16. Date and Time of Retrieval Date: 03/25/24 Time: 11:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 13.72
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-26
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
18.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 02/18/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 10.4/SSW ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 6.1 Wind: 11.5/E ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	BM

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-391C
4. Well Permit Number: E201415873
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 123.6
10. Screened interval/open hole (fbgs) 113.6 - 123.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 11:15
15. Depth to Ground Water Depth to ground water at time of deployment: 17.51
16. Date and Time of Retrieval Date: 03/28/24 Time: 15:15
17. Depth to Ground Water Depth to ground water at time of retrieval: 16.19
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
115.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 8.1/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-394C
4. Well Permit Number: E201415860
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.72
9. Total Well Depth (fbgs) 103
10. Screened interval/open hole (fbgs) 93 - 103
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/05/24 Time: 16:38
15. Depth to Ground Water Depth to ground water at time of deployment: 13.33
16. Date and Time of Retrieval Date: 04/01/24 Time: 08:14
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.94
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 7 Wind: 3.5/NE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416A
4. Well Permit Number: E201501198
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.47
9. Total Well Depth (fbgs) 38
10. Screened interval/open hole (fbgs) 19 - 38
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/01/24 Time: 10:59
15. Depth to Ground Water Depth to ground water at time of deployment: 8.86
16. Date and Time of Retrieval Date: 03/28/24 Time: 14:48
17. Depth to Ground Water Depth to ground water at time of retrieval: 3.45
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
35.55			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 07/01/15
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-416B
4. Well Permit Number: E201501197
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.44
9. Total Well Depth (fbgs) 55
10. Screened interval/open hole (fbgs) 45 - 55
11. Well Casing: Diameter: 6 Material: ☐ PVC ☒ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 6 Material: ☐ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: N/A
14. Date and Time of Deployment Date: 03/01/24 Time: 11:07
15. Depth to Ground Water Depth to ground water at time of deployment: 9.58
16. Date and Time of Retrieval Date: 03/28/24 Time: 14:56
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.81
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
50			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: 06/04/14
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 4.4 Wind: 9.2/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 5.8/N ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-453C2
4. Well Permit Number: E201509739
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.21
9. Total Well Depth (fbgs) 110
10. Screened interval/open hole (fbgs) 90 - 110
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/05/24 Time: 11:22
15. Depth to Ground Water Depth to ground water at time of deployment: 11.61
16. Date and Time of Retrieval Date: 04/01/24 Time: 13:59
17. Depth to Ground Water Depth to ground water at time of retrieval: 10.65
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
98.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 13.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-457C1
4. Well Permit Number: E201509602
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.25
9. Total Well Depth (fbgs) 79.9
10. Screened interval/open hole (fbgs) 59.9 - 79.9
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/05/24 Time: 11:36
15. Depth to Ground Water Depth to ground water at time of deployment: 9.31
16. Date and Time of Retrieval Date: 04/01/24 Time: 14:05
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.49
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/20 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-05
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
75.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6 Wind: 13.8/ENE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483B
4. Well Permit Number: E201511555
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.26
9. Total Well Depth (fbgs) 60
10. Screened interval/open hole (fbgs) 50 - 60
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 11:12
15. Depth to Ground Water Depth to ground water at time of deployment: 6.21
16. Date and Time of Retrieval Date: 03/27/24 Time: 13:55
17. Depth to Ground Water Depth to ground water at time of retrieval: 5.01
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
58.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.8 Wind: 9.2/SSE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-483C
4. Well Permit Number: E201511552
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.31
9. Total Well Depth (fbgs) 80
10. Screened interval/open hole (fbgs) 60 - 80
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 02/28/24 Time: 11:18
15. Depth to Ground Water Depth to ground water at time of deployment: 7.17
16. Date and Time of Retrieval Date: 03/27/24 Time: 14:02
17. Depth to Ground Water Depth to ground water at time of retrieval: 6.12
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-02-28
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
73.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 12.2 Wind: 4.6/SE ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 0.0/N ☐ Sunny ☐ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-495B
4. Well Permit Number: E201514806
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) -1.05
9. Total Well Depth (fbgs) 50.5
10. Screened interval/open hole (fbgs) 40.5 - 50.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/01/24 Time: 14:40
15. Depth to Ground Water Depth to ground water at time of deployment: 10.41
16. Date and Time of Retrieval Date: 04/01/24 Time: 13:45
17. Depth to Ground Water Depth to ground water at time of retrieval: 9.28
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
46.25			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-503C
4. Well Permit Number: E201701479
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.66
9. Total Well Depth (fbgs) 80.5
10. Screened interval/open hole (fbgs) 60.5 - 80.5
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.01
14. Date and Time of Deployment Date: 03/01/24 Time: 14:31
15. Depth to Ground Water Depth to ground water at time of deployment: 11
16. Date and Time of Retrieval Date: 04/01/24 Time: 13:37
17. Depth to Ground Water Depth to ground water at time of retrieval: 11.07
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/10 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
70.75			

5th PDBS	6th PDBS	7th PDBS	8th PDBS

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☒ **No**, this well is being profiled during this sampling round
    ☐ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 6.7 Wind: 13.8/S ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 10 Wind: 5.8/ ☐ Sunny ☐ Overcast ☒ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-505A
4. Well Permit Number: E201903476
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____
8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.32
9. Total Well Depth (fbgs) 15.1
10. Screened interval/open hole (fbgs) 4.1 - 15.1
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02
14. Date and Time of Deployment Date: 03/01/24 Time: 11:46
15. Depth to Ground Water Depth to ground water at time of deployment: 7.47
16. Date and Time of Retrieval Date: 04/01/24 Time: 07:50
17. Depth to Ground Water Depth to ground water at time of retrieval: 7
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene
19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)
20. Type of PDBS Used
    ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
    ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)
21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01
22. Position of PDBS Weight Bottom of line-suspended
23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
12.75			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
    ☐ **No**, this well is being profiled during this sampling round
    ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error
25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
    ☒ **No**, flow testing has not been conducted in this well
    ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
    Type of flow meter used: _____
    Measurements taken every _____ feet
    [Please Attach Results]
26. Weather Conditions During Deployment Temp: 5.6 Wind: 6.9/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing
28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

New Jersey Department of Environmental Protection
Checklist for the Submission of Sampling Data for Passive Diffusion Bag Samplers (PDBS)

1. Site: Former Hoffmann-La Roche Inc. Facility - Nutley, New Jersey
2. Location: Nutley, NJ
3. Well Designation: MW-506B
4. Well Permit Number: E201903472
5. Type of Well: ☐ Monitoring ☐ Extraction ☐ Residential ☐ Public Supply ☐ Irrigation ☒ Other
6. Well Surface Finish: ☐ Stick Up ☒ Flush Mount
7. Location of Measuring Point: ☒ Top of Casing ☐ Other (specify) _____

8. **NOTE:** PDBS represent a point sample within the screened interval or open hole of the well. It is critical to know the exact depth within the well where the PDBS is deployed. Well construction specifications, which are typically used to determine where to set the PD BS in the well, are measured in feet below ground surface (fbgs). If the depth interval for PDBS deployment is measured from the reference point identified above, the difference between this reference point and the ground surface must be measured and accounted for to determine the proper depth interval to set the PDBS. Please identify below, any differences between the measuring point identified above and actual ground surface at the well head.

   Distance between measuring point and ground surface (ft.) 0.35

9. Total Well Depth (fbgs) 44.6
10. Screened interval/open hole (fbgs) 34.6 - 44.6
11. Well Casing: Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
12. Well Screen (or open hole diameter): Diameter: 2 Material: ☒ PVC ☐ Carbon Steel ☐ Stainless Steel
13. Screen Size (slot) Screen Slot Size: 0.02

14. Date and Time of Deployment Date: 03/01/24 Time: 11:55
15. Depth to Ground Water Depth to ground water at time of deployment: 9.01
16. Date and Time of Retrieval Date: 04/01/24 Time: 07:52
17. Depth to Ground Water Depth to ground water at time of retrieval: 8.31
18. Type of Deployment Line Used Diameter: 3/16" Material: Polypropylene

19. Material and Mass (oz.) of PDBS Weight Stainless Steel/8 oz (stainless steel recommended)

20. Type of PDBS Used
   ☐ Lab Filled (Modified Trip Blank must be taken at time of deployment)
   ☒ Field Filled (Modified equipment blank of fill water must be taken at time of deployment. If PDBS isn't filled at well head, blank must travel with samplers until last sampler is deployed. Blank is then taken.)

21. Dimensions of PDBS Length (in.) 18 Diameter: 1.75 Filled 2024-03-01

22. Position of PDBS Weight Bottom of line-suspended

23. Position of PDBS in Well Screen (ft. from measuring point to center of PDBS)

1st PDBS	2nd PDBS	3rd PDBS	4th PDBS
43.25			
5th PDBS	**6th PDBS**	**7th PDBS**	**8th PDBS**

24. If the saturated portion of the well screen or open hole is greater than 5 feet, has the well been vertically profiled to assess the potential for contaminant stratification?
   ☐ **No**, this well is being profiled during this sampling round
   ☒ **Yes**, this well was profiled already. Date when well was profiled: #Error

25. If the saturated portion of the well screen or open hole is greater than 10 feet, has the well been flow tested to assess the potential for vertical flow to be present within the well?
   ☒ **No**, flow testing has not been conducted in this well
   ☐ **Yes**, flow testing of this well was conducted. Date of testing: _____
   Type of flow meter used: _____
   Measurements taken every _____ feet
   [Please Attach Results]

26. Weather Conditions During Deployment Temp: 5.6 Wind: 6.9/SSE ☒ Sunny ☐ Overcast ☐ Raining ☐ Snowing
27. Weather Conditions During Retrieval Temp: 9.4 Wind: 3.5/NNE ☐ Sunny ☒ Overcast ☐ Raining ☐ Snowing

28. Field Sampling Technician: Name(s) and Company (please print clearly)

Name	Company
#Error	AGC

ATTACHMENT 6

Roche Groundwater Biennial Certification

Well Construction Details

2024

Attachment 6
Well Construction Details Table - Long-Term Monitoring Network
2024
Former Hoffmann-La Roche Inc. Facility - Nutley, NJ

Well Designation	Hydro-geologic Unit (HGU)	Shallow (Yes/No)	Permit Number	Date Installed	Investigative Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (inches)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)		
						East (X)	North (Y)								
66RI-MW4	OVB	Yes	E201304931	4/17/2013	IA-10	586648.3	730201.6	124.10	PVC	2	PVC Screen	15.4	8.4	-	15.4
131RI-MW1	1W	Yes	E201306020	5/7/2013	IA-10	586589.3	729807.6	121.12	PVC	2	PVC Screen	15.8	7.8	-	15.8
138RI-MW1R	1W	Yes	E202010338	10/6/2020	IA-10	586409.1	729698.5	117.34	PVC	2	PVC Screen	32	22	-	32
187RI-MW2	2W	Yes	E201305798	4/30/2013	IA-10	586570.0	729168.4	110.69	PVC	2	PVC Screen	12.0	2	-	12
ART-MW-6BR	3W	No	E201501062	3/11/2015	IA-02	587088.1	729396.0	118.21	Stainless	4	Stainless Screen	42.5	27.5	-	42.5
DW-7A	3E	No	E201411635	10/20/2014	Off-site	588037.5	729994.2	122.81	Steel	2	Stainless Screen	127.0	112	-	127
DW-7B	4E	No	E201305678	6/6/2013	Off-site	588047.7	729990.1	123.23	Steel	2	Stainless Screen	180.0	165	-	180
DW-7C	5E	No	E201305675	6/6/2013	Off-site	588054.2	729993.3	123.33	Steel	2	Stainless Screen	345.0	335	-	345
DW-7D	5E	No	E201305674	5/24/2013	Off-site	588041.5	730001.1	122.83	Steel	4	Stainless Screen	450.0	425	-	450
DW-8A	4E	No	E201217453	3/23/2013	IA-12	587898.5	729677.7	128.82	Steel	2	Stainless Screen	126.0	116	-	126
DW-8B	5E	No	E201217458	3/29/2013	IA-12	587883.7	729655.5	128.77	Steel	2	Stainless Screen	192.0	182	-	192
DW-8C	5E	No	E201217463	3/27/2013	IA-12	587904.2	729649.7	129.40	Steel	2	Stainless Screen	307.0	297	-	307
DW-9A	3E	No	E201217454	5/7/2013	IA-03	587693.6	729195.9	121.67	Steel	2	Stainless Screen	95.1	85	-	95
DW-11B	5E	No	E201300242	4/26/2013	Off-site	586764.0	727529.8	103.08	Steel	2	Stainless Screen	100.0	90	-	100
DW-11D	5E	No	E201300243	5/2/2013	Off-site	586755.0	727514.7	103.34	Steel	2	Stainless Screen	450.0	425	-	450
DW-12A	4W	No	E201300227	2/8/2013	IA-04	587042.1	729676.0	120.96	Steel	2	Stainless Screen	134.0	124	-	134
DW-12B	5W	No	E201300228	2/7/2013	IA-04	587010.2	729663.6	120.73	Steel	2	Stainless Screen	191.0	181	-	191
DW-12CR	5W	No	E201412451	11/4/2014	IA-04	587021.9	729684.5	121.06	Steel	4	Stainless Screen	520.1	495.1	-	520.1
DW-13-D2	5W	No	E201402656	3/19/2014	IA-10	586527.0	728814.0	108.66	Steel	2	Stainless Screen	250.0	240	-	250
DW-16A	3W	No	E201300231	3/28/2013	IA-10	585961.9	729998.8	121.55	Steel	2	Stainless Screen	218.1	208.1	-	218.1
DW-16B	4W	No	E201300232	4/2/2013	IA-10	585937.3	730015.7	122.07	Steel	2	Stainless Screen	298.4	288.4	-	298.4
DW-16C	5W	No	E201301078	4/2/2013	IA-10	585932.2	729997.3	122.04	Steel	4	Stainless Screen	448.0	423	-	448
DW-17C	5E	No	E201301431	4/26/2013	IA-14	588315.2	726940.4	75.26	Steel	2	Stainless Screen	120.0	110	-	120
DW-24	5E	No	E201314457	11/7/2013	Off-site	587288.7	726074.0	132.56	PVC	2	PVC Screen	175.0	150	-	175
DW-27B	5W	No	E201315239	12/20/2013	IA-10	586191.3	729550.7	124.12	Steel	2	Stainless Screen	299.8	274.8	-	299.8
DW-27C	5W	No	E201402655	3/24/2014	IA-10	586203.3	729558.8	123.58	Steel	4	Stainless Screen	425.0	400	-	425
DW-28A	5E	No	E201402669	4/18/2014	IA-12	588599.1	729432.3	149.58	Steel	2	Stainless Screen	189.0	179	-	189
DW-28B	5E	No	E201402668	4/4/2014	IA-12	588590.5	729432.8	149.20	Steel	2	Stainless Screen	321.0	306	-	321
DW-29B	5E	No	E201315491	1/9/2014	IA-12	588339.0	729594.5	137.00	Steel	2	Stainless Screen	300.0	275	-	300
DW-29C	5E	No	E201402670	4/16/2014	IA-12	588345.8	729581.4	137.86	Steel	4	Stainless Screen	442.0	432	-	442
DW-2B	5E	No	E201217456	12/6/2012	IA-12	588619.2	729154.4	157.15	Steel	2	Stainless Screen	136.0	126	-	136
DW-2-D2	5E	No	E201402664	4/8/2014	IA-12	588637.5	729123.3	158.75	Steel	2	Stainless Screen	300.0	275	-	300
DW-30B	5W	No	E201315493	1/10/2014	IA-12	587688.5	729995.0	120.33	Steel	2	Stainless Screen	260.0	250	-	260
DW-31C	5W	No	E201402878	4/15/2014	IA-12	587198.0	730293.3	135.31	Steel	4	Stainless Screen	440.0	415	-	440
DW-32A	3W	No	E201318587	1/10/2014	IA-12	586772.9	730479.2	119.93	Steel	2	Stainless Screen	164.0	154	-	164
DW-32B	5W	No	E201315585	1/10/2014	IA-12	586772.7	730469.5	120.09	Steel	2	Stainless Screen	301.1	276.1	-	301.1
DW-33A	2W	No	E201401464	2/26/2014	IA-10	586343.9	730549.1	123.06	Steel	2	Stainless Screen	161.3	151.3	-	161.3
DW-33B	4W	No	E201318598	2/26/2014	IA-10	586347.9	730558.6	123.05	Steel	2	Stainless Screen	280.3	270.3	-	280.3
DW-33C	5W	No	E201402654	4/4/2014	IA-10	586356.0	730544.6	122.42	Steel	4	Stainless Screen	426.2	401.2	-	426.2
DW-34B	3W	No	E201315235	1/2/2014	Private Road	585625.2	730437.9	153.57	Steel	2	Stainless Screen	300.0	275	-	300
DW-37B	5E	No	E201400890	3/11/2014	IA-07	588325.2	728464.3	153.11	Steel	4	Stainless Screen	299.6	289.6	-	299.6
DW-38A	5E	No	E201401595	4/23/2014	IA-07	588146.0	728209.8	148.97	Steel	2	Stainless Screen	191.0	166	-	191
DW-38B	5E	No	E201400995	3/19/2014	IA-07	588152.2	728215.4	148.99	Steel	4	Stainless Screen	267.0	247	-	267
DW-39B	5E	No	E201402679	6/3/2014	IA-13	587876.6	727543.6	114.88	Steel	2	Stainless Screen	296.0	286	-	296
DW-39C	5E	No	E201402680	7/9/2014	IA-13	587873.2	727532.4	114.46	Steel	4	Stainless Screen	496.0	471	-	496
DW-3B	5E	No	E201218158	12/26/2012	IA-07	587943.9	728010.4	144.58	Steel	2	Stainless Screen	122.0	112	-	122
DW-3-D2	5E	No	E201402663	6/16/2014	IA-07	587954.5	728019.0	144.81	Steel	2	Stainless Screen	300.0	275	-	300
DW-40A	5W	No	E201402658	4/16/2014	IA-10	586742.6	728573.9	103.88	Steel	2	Stainless Screen	147.0	137	-	147
DW-40B	5W	No	E201402657	4/3/2014	IA-10	586735.2	728562.6	104.04	Steel	2	Stainless Screen	251.0	241	-	251
DW-40C	5W	No	E201410074	3/28/2014	IA-10	586753.9	728567.8	104.10	Steel	4	Stainless Screen	400.0	375	-	400
DW-41C	5E	No	E201407799	5/9/2014	IA-03	587955.3	728937.9	118.77	Steel	4	Stainless Screen	450.1	425.1	-	450.1

Attachment 6
Well Construction Details Table - Long-Term Monitoring Network
2024
Former Hoffmann-La Roche Inc. Facility - Nutley, NJ

Well Designation	Hydro-geologic Unit (HGU)	Shallow (Yes/No)	Permit Number	Date Installed	Investigative Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (inches)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)		
						East (X)	North (Y)								
DW-45A	5E	No	E201409402	8/1/2014	IA-07	587503.0	729057.6	115.85	Steel	2	Stainless Screen	146.2	121.2	-	146.2
DW-4C	5E	No	E201306325	7/19/2013	Off-site	587427.1	726800.5	104.14	Steel	2	Stainless Screen	142.0	117	-	142
DW-4D	5E	No	E201306324	6/28/2013	Off-site	587414.1	726814.3	104.09	Steel	4	Stainless Screen	450.0	425	-	450
DW-52A	5E	No	E201413312	10/15/2014	IA-11	587361.5	727744.7	103.10	Steel	2	Stainless Screen	130.0	115	-	130
DW-58A	5E	No	E201413476	12/19/2014	IA-07	587746.1	728115.0	137.27	Steel	2	Stainless Screen	240.0	215	-	240
DW-64A	5E	No	E201500412	2/26/2015	Off-site	588651.2	729610.1	147.79	Steel	2	Stainless Screen	250.0	235	-	250
DW-65-119-S3	3W	No	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	119.0	108	-	119
DW-65-145-D1	3W	No	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	145.0	139	-	145
DW-65-154-D1	3W	No	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	154.0	148	-	154
DW-65-176-D1	4W	No	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	176.0	170	-	176
DW-65-199-D1	4W	No	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	199.0	188	-	199
DW-65-221-D1	5W	No	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	221.0	214	-	221
DW-65-262-D2	5W	No	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	262.0	252	-	262
DW-65-350-D2	5W	No	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	350.0	334	-	350
DW-65-73-S2	2W	No	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	73.0	69	-	73
DW-65-91-S3	2W	No	E201610167	12/7/2016	IA-12	587008.9	730424.8	137.71	PVC	1.5	Westbay Port	91.0	87	-	91
DW-67B	5W	No	E201509857	10/27/2015	IA-01	586836.9	729861.1	122.87	Steel	2	Stainless Screen	274.9	264.9	-	274.9
DW-68A	5W	No	E201509856	10/23/2015	IA-01	586884.9	729559.9	118.00	Steel	2	Stainless Screen	205.0	195.0	-	205.0
DW-6B	5E	No	E201218159	1/25/2013	IA-07	587806.0	728578.8	117.93	Steel	2	Stainless Screen	114.6	104.6	-	114.6
DW-6C	5E	No	E201218160	2/18/2013	IA-07	587788.9	728575.6	117.93	Steel	2	Stainless Screen	291.0	281	-	291
DW-6D	5E	No	E201301046	3/7/2013	IA-07	587796.5	728561.5	118.29	Steel	4	Stainless Screen	497.9	472.9	-	497.9
DW-70-114-S3	1W	No	E201613409	1/25/2017	Off-site	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	114.3	97.3	-	114.3
DW-70-123-D1	2W	No	E201613409	1/25/2017	Off-site	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	123.3	117.3	-	123.3
DW-70-150-D1	2W	No	E201613409	1/25/2017	Off-site	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	150.3	143.3	-	150.3
DW-70-174-D1	3W	No	E201613409	1/25/2017	Off-site	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	174.3	163.3	-	174.3
DW-70-205-D1	3W	No	E201613409	1/25/2017	Off-site	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	205.3	192.3	-	205.3
DW-70-261-D2	4W	No	E201613409	1/25/2017	Off-site	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	261.3	244.3	-	261.3
DW-70-83-S3	1W	No	E201613409	1/25/2017	Off-site	586948.8	731528.9	121.08	PVC	1.5	Westbay Port	83.3	75.3	-	83.3
DW-72-120-S3	4E	No	E201613407	1/30/2017	Off-site	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	120.3	116.3	-	120.3
DW-72-146-S3	4E	No	E201613407	1/30/2017	Off-site	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	146.3	139.3	-	146.3
DW-72-167-D1	5E	No	E201613407	1/30/2017	Off-site	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	167.3	149.3	-	167.3
DW-72-176-D1	5E	No	E201613407	1/30/2017	Off-site	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	176.3	170.3	-	176.3
DW-72-217-D1	5E	No	E201613407	1/30/2017	Off-site	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	217.3	205.3	-	217.3
DW-72-237-D1	5E	No	E201613407	1/30/2017	Off-site	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	237.3	227.3	-	237.3
DW-72-316-D2	5E	No	E201613407	1/30/2017	Off-site	588890.6	729985.6	155.73	PVC	1.5	Westbay Port	316.3	302.3	-	316.3
IW-157C2	3E	No	E201509285	08/25/15	IA-11	587320.7	727960.0	103.83	Steel	6	Open Hole	105	80	-	105
IW-168B	2E	No	E201507919	07/22/15	IA-11	587243.5	728400.8	105.33	Steel	6	Open Hole	56	31	-	56
IW-168C1	2E	No	E201507920	07/27/15	IA-11	587243.9	728392.4	104.94	Steel	6	Open Hole	81	56	-	81
IW-168C2	2E	No	E201507921	07/31/15	IA-11	587252.2	728396.4	105.23	Steel	6	Open Hole	106	81	-	106
IW-197A	2W	Yes	E201903466	04/08/19	IA-06	586821.6	729246.8	113.07	PVC	4	PVC Screen	29.3	23.3	-	28.3
IW-199B	3W	No	E201903468	04/05/19	IA-06	586826.3	729252.9	113.18	PVC	4	PVC Screen	43.6	27.6	-	42.6
MW-1G	OVB	Yes	E201216675	11/06/12	Off-site	586784.4	728414.6	102.76	PVC	2	PVC Screen	14.0	4.0	-	14.0
MW-2G	OVB	Yes	E201216676	11/05/12	Off-site	586720.0	728355.2	101.66	PVC	2	PVC Screen	13.0	4.0	-	13.0
MW-15A	OVB	Yes	2600051888	10/1/1998	IA-07	587343.8	728836.9	109.24	PVC	2	PVC Screen	15.0	5	-	15
MW-16	1W	Yes	2600012044	11/5/1987	IA-01	586785.3	730345.7	120.38	PVC	4	PVC Screen	13.8	3.8	-	13.8
MW-24	2E	Yes	2600036932	5/25/1994	IA-12	587875.7	729720.2	128.60	Steel	6	Open Hole	41.7	31.7	-	41.7
MW-43	1W	Yes	2600054720	8/18/1999	IA-10	586287.5	729302.7	123.77	PVC	2	PVC Screen	24.5	14.5	-	24.5
MW-44	1W	Yes	2600054721	8/11/1999	IA-10	586150.6	729476.5	126.99	PVC	2	PVC Screen	19.1	9.1	-	19.1
MW-44B	1W	No	E201304514	4/16/2013	IA-10	586157.3	729459.4	126.17	PVC	2	PVC Screen	45.1	35.1	-	45.1
MW-44C	2W	No	E201302491	4/9/2013	IA-10	586139.7	729460.3	128.26	PVC	2	PVC Screen	81.3	61.3	-	81.3
MW-46	4E	Yes	2600060830	4/12/2001	IA-07	587931.0	727976.0	144.55	Steel	6	Open Hole	62.0	38.0	-	62.0

Attachment 6
Well Construction Details Table - Long-Term Monitoring Network
2024
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Well Designation	Hydro-geologic Unit (HGU)	Shallow (Yes/No)	Permit Number	Date Installed	Investigative Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (inches)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)		
						East (X)	North (Y)								
MW-58	1W	Yes	2600068227	6/25/2003	IA-12	586874.8	730500.4	137.12	PVC	2	PVC Screen	36.0	21.0	-	36.0
MW-80C	2E	Yes	E201316488	11/18/2013	IA-12	587877.2	729693.3	128.92	PVC	2	PVC Screen	25.0	10.0	-	25.0
MW-102	3E	Yes	P200804386	12/10/2008	IA-11	587256.2	727920.5	100.82	PVC	2	PVC Screen	13.0	8	-	13
MW-104B	3E	No	P200804398	1/20/2009	Off-site	587026.2	728107.8	97.05	Steel	6	Open Hole	34.0	24	-	34
MW-105A	OVB	Yes	P200804389	1/27/2009	Off-site	586769.3	728004.5	99.48	PVC	2	PVC Screen	12.0	7	-	12
MW-105B	4W	No	P200804399	2/5/2009	Off-site	586765.0	727997.3	99.63	Steel	6	Open Hole	40.0	30	-	40
MW-106A	3E	Yes	P200804390	1/29/2009	Off-site	587094.4	727971.4	97.08	PVC	2	PVC Screen	13.0	8	-	13
MW-106B	3E	No	P200804400	1/26/2009	Off-site	587097.7	727960.4	97.11	Steel	6	Open Hole	34.0	24	-	34
MW-112A	4E	Yes	E201412398	9/24/2014	IA-15	587436.7	727429.8	96.59	PVC	2	PVC Screen	15.0	5	-	15
MW-114	4E	No	P200910160	8/6/2009	IA-12	588646.5	729160.4	158.19	Steel	6	Open Hole	80.0	60	-	80
MW-114A	4E	Yes	E201403604	4/28/2014	IA-12	588661.5	729164.7	158.71	PVC	2	PVC Screen	75.0	65	-	75
MW-117	5W	No	E201311393	10/13/2009	IA-09	587296.7	728892.7	109.42	PVC	4	PVC Screen	80.0	60	-	80
MW-120	4E	No	P200910157	10/27/2009	IA-07	587977.7	728039.0	144.94	PVC	4	PVC Screen	80.0	30	-	80
MW-124A	5E	Yes	E201308748	6/28/2013	IA-15	587673.9	726942.4	90.65	PVC	2	PVC Screen	25.0	15	-	25
MW-124B	5E	No	E201000869	7/23/2010	IA-15	587683.0	726964.8	91.62	Steel	6	Open Hole	34.0	24	-	34
MW-126	OVB	Yes	E201012851	10/13/2010	IA-10	586853.6	728465.1	103.77	PVC	2	PVC Screen	15.0	5	-	15
MW-126B	4W	No	E201405728	5/14/2014	IA-10	586845.2	728471.5	103.79	PVC	2	PVC Screen	50.0	40	-	50
MW-126C	4W	No	E201405729	5/14/2014	IA-10	586847.9	728459.2	103.78	PVC	2	PVC Screen	80.0	70	-	80
MW-131	5E	Yes	E201113439	8/24/2011	IA-14	587994.8	727346.1	101.03	PVC	2	PVC Screen	22.5	12.5	-	22.5
MW-131B	5E	No	E201403623	5/16/2014	IA-14	587986.9	727340.7	100.71	PVC	2	PVC Screen	37.0	27	-	37
MW-131C	5E	No	E201403624	4/23/2014	IA-14	588002.8	727348.9	101.44	PVC	2	PVC Screen	80.0	70	-	80
MW-136	2W	Yes	E201113727	9/20/2011	IA-01	586898.1	729586.1	118.45	PVC	2	PVC Screen	19.0	9	-	19
MW-136B	3W	No	E201416041	3/11/2015	IA-01	586911.3	729581.5	118.17	Steel	6	Open Hole	50.0	40	-	50
MW-136C	3W	No	E201415879	3/13/2015	IA-01	586896.7	729572.2	118.16	PVC	2	PVC Screen	100.0	90	-	100
MW-143	4E	Yes	E201115791	9/7/2011	IA-13	587603.9	727606.3	106.76	PVC	2	PVC Screen	26.5	16.5	-	26.5
MW-143B	4E	No	E201403608	5/12/2014	IA-13	587609.5	727618.8	108.07	PVC	2	PVC Screen	50.0	40	-	50
MW-143C	5E	No	E201412330	9/23/2014	IA-13	587610.6	727609.8	107.11	PVC	2	PVC Screen	85.0	75	-	85
MW-145A	4E	Yes	E201204688	4/30/2012	Off-site	587435.1	727221.2	101.32	PVC	2	PVC Screen	27.5	17.5	-	27.5
MW-146A	5E	Yes	E201204689	4/24/2012	Off-site	587569.5	726815.5	84.84	Steel	6	Open Hole	27.1	17.1	-	27.1
MW-146B	5E	No	E201306327	7/17/2013	Off-site	587487.1	726751.9	102.14	PVC	2	PVC Screen	57.0	42	-	57
MW-146C	5E	No	E201306326	7/17/2013	Off-site	587466.7	726766.1	103.66	PVC	2	PVC Screen	80.0	60	-	80
MW-148A	5E	Yes	E201207238	5/18/2012	IA-14	587897.6	726943.8	87.32	PVC	2	PVC Screen	27.6	17.6	-	27.6
MW-148B	5E	No	E201207239	5/21/2012	IA-14	587907.2	726940.4	86.89	Steel	6	Open Hole	47.8	36.8	-	47.8
MW-170AR	OVB	Yes	E201510908	9/22/2015	IA-09	587402.7	729358.6	118.26	PVC	2	PVC Screen	17.0	7	-	17
MW-170BR	4W	No	E201510907	9/18/2015	IA-09	587412.1	729358.6	118.33	PVC	2	PVC Screen	40.0	30	-	40
MW-171A	4E	Yes	E201306954	8/16/2013	Off-site	587218.3	727431.3	103.26	PVC	2	PVC Screen	35.0	25	-	35
MW-171B	4E	No	E201307651	8/19/2013	Off-site	587222.1	727422.9	103.16	PVC	2	PVC Screen	50.0	40	-	50
MW-171C	5E	No	E201307673	8/21/2013	Off-site	587213.7	727441.6	103.44	PVC	2	PVC Screen	80.0	60	-	80
MW-172	4E	Yes	E201306956	5/23/2013	IA-11	587694.8	727873.3	136.88	PVC	2	PVC Screen	40.0	30	-	40
MW-174	4W	Yes	E201303564	4/23/2013	IA-04	587513.8	729572.8	120.01	Steel	6	Open Hole	38.0	28	-	38
MW-201	2E	Yes	E201303451	3/21/2013	Off-site	588019.4	730009.0	122.79	PVC	2	PVC Screen	37.0	27	-	37
MW-201A	2E	Yes	E201306049	5/2/2013	Off-site	588021.3	730011.2	122.69	PVC	2	PVC Screen	25.0	10	-	25
MW-201B	2E	No	E201411640	10/16/2014	Off-site	588034.0	730005.5	122.48	PVC	2	PVC Screen	50.0	40	-	50
MW-201C	3E	No	E201411639	10/17/2014	Off-site	588029.9	729998.7	122.48	PVC	2	PVC Screen	96.0	86	-	96
MW-204C	4E	No	E201304823	7/23/2013	IA-07	587527.3	728571.9	114.76	PVC	2	PVC Screen	76.5	56.5	-	76.5
MW-206B	1W	No	E201304512	4/15/2013	IA-10	586092.4	729862.6	122.10	PVC	2	PVC Screen	51.5	41.5	-	51.5
MW-206C	1W	No	E201302486	4/10/2013	IA-10	586105.2	729854.0	121.68	PVC	2	PVC Screen	81.5	61.5	-	81.5
MW-207A	OVB	Yes	E201304515	5/8/2013	IA-10	586307.3	728999.2	113.92	PVC	2	PVC Screen	15.0	5	-	15
MW-207B	2W	No	E201304516	4/17/2013	IA-10	586304.4	729020.2	114.11	PVC	2	PVC Screen	48.0	38	-	48
MW-207C	2W	No	E201302495	4/9/2013	IA-10	586294.2	729009.1	114.16	PVC	2	PVC Screen	80.0	60	-	80
MW-209A	OVB	Yes	E201306459	5/16/2013	Off-site	586675.7	728173.8	102.84	PVC	2	PVC Screen	18.0	8	-	18

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Well Designation	Hydro-geologic Unit (HGU)	Shallow (Yes/No)	Permit Number	Date Installed	Investigative Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (inches)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)		
						East (X)	North (Y)								
MW-209B	4W	No	E201306460	5/20/2013	Off-site	586684.4	728175.0	102.77	PVC	2	PVC Screen	40.0	30	-	40
MW-213B	1W	Yes	E201311462	8/23/2013	Off-site	585877.0	728882.6	148.46	PVC	2	PVC Screen	50.0	40	-	50
MW-213C	1W	No	E201311466	8/27/2013	Off-site	585866.1	728866.5	148.71	PVC	2	PVC Screen	80.0	60	-	80
MW-214A	OVB	Yes	E201311468	9/5/2013	Off-site	586290.3	728476.3	121.74	PVC	2	PVC Screen	25.0	20	-	25
MW-214B	2W	No	E201312148	8/22/2013	Off-site	586293.1	728487.5	121.45	PVC	2	PVC Screen	50.0	40	-	50
MW-214C	3W	No	E201311480	9/4/2013	Off-site	586284.7	728469.5	121.87	PVC	2	PVC Screen	80.0	60	-	80
MW-215C	4E	No	E201311204	8/15/2013	Off-site	586748.1	727501.6	103.44	PVC	2	PVC Screen	80.0	60	-	80
MW-216C	5E	No	E201311207	8/13/2013	Off-site	587128.2	727023.6	107.80	PVC	2	PVC Screen	80.0	60	-	80
MW-222	5E	No	E201313503	9/20/2013	Off-site	588022.0	726107.5	81.99	PVC	2	PVC Screen	80.0	70	-	80
MW-222C	5E	No	E201311482	9/20/2013	Off-site	588002.6	726102.6	83.50	PVC	2	PVC Screen	257.0	247	-	257
MW-22A	3W	No	2600051883	9/29/1998	IA-06	586803.5	728799.5	108.64	Steel	6	Open Hole	44.2	24.2	-	44.2
MW-24C	2E	No	E201316485	11/18/2013	IA-03	587718.5	729540.5	121.57	PVC	2	PVC Screen	49.4	29.4	-	49.4
MW-230C	1W	No	E201315813	8/9/2013	IA-10	586549.3	730479.7	120.88	PVC	2	PVC Screen	80.8	60.8	-	80.8
MW-236B	4W	No	E201312196	9/10/2013	Off-site	586507.2	727770.2	109.61	PVC	2	PVC Screen	40.0	30	-	40
MW-236C	4W	No	E201312197	9/17/2013	Off-site	586501.7	727773.7	110.07	PVC	2	PVC Screen	57.0	47	-	57
MW-237A	2W	Yes	E201311727	8/19/2013	IA-12	587192.0	730306.0	135.43	Steel	6	Open Hole	30.0	20	-	30
MW-237C	3W	No	E201315220	12/31/2013	IA-12	587182.9	730310.7	135.96	PVC	2	PVC Screen	120.0	110	-	120
MW-238C	5W	No	E201312547	9/12/2013	IA-07	587190.8	728587.6	108.61	PVC	2	PVC Screen	79.9	69.9	-	79.9
MW-243B	3W	No	E201401692	4/22/2014	IA-02	587132.3	729297.6	114.73	Stainless	2	Stainless Screen	51.1	31.1	-	51.1
MW-257A	4E	Yes	E201316278	10/16/2013	Off-site	587160.1	727293.4	101.16	PVC	2	PVC Screen	30.0	20.0	-	30.0
MW-257B	4E	No	E201316279	10/2/2013	Off-site	587166.7	727291.4	101.19	PVC	2	PVC Screen	50.0	40.0	-	50.0
MW-258B	5E	No	E201315392	10/29/2013	Off-site	587280.1	726060.1	132.71	PVC	2	PVC Screen	84.0	59.0	-	84.0
MW-258C	5E	No	E201314458	10/29/2013	Off-site	587287.2	726067.9	132.76	PVC	2	PVC Screen	130.0	105.0	-	130.0
MW-259BR	1W	No	E202010337	10/7/2020	IA-10	586216.7	729842.6	119.53	PVC	2	PVC Screen	45	35		45
MW-260C	4E	No	E201310429	9/20/2013	IA-03	588578.3	728709.4	157.15	PVC	2	PVC Screen	79.9	59.9	-	79.9
MW-260-S3	5E	No	E201403642	4/18/2014	IA-03	588555.8	728737.5	160.61	PVC	2	PVC Screen	136.2	121.2	-	136.2
MW-265B	4W	No	E201318473	1/10/2014	IA-12	587679.7	729994.0	120.22	PVC	2	PVC Screen	50.0	40	-	50
MW-265C	4W	No	E201403229	4/15/2014	IA-12	587665.6	730002.1	120.33	PVC	2	PVC Screen	100.0	90	-	100
MW-266A	1W	Yes	E201318470	12/31/2013	IA-12	586765.4	730470.2	119.80	PVC	2	PVC Screen	37.8	27.8	-	37.8
MW-266B	2W	No	E201318471	12/27/2013	IA-12	586763.8	730461.0	119.90	PVC	2	PVC Screen	70.0	60	-	70
MW-266C	2W	No	E201318472	12/27/2013	IA-12	586771.3	730459.4	119.89	PVC	2	PVC Screen	95.0	85	-	95
MW-267A	1W	Yes	E201400817	12/20/2013	Private Road	585617.3	730443.2	153.87	PVC	2	PVC Screen	56.0	46	-	56
MW-267B	1W	No	E201318590	1/13/2014	Private Road	585661.4	730413.3	152.49	PVC	2	PVC Screen	105.0	95	-	105
MW-269A	4E	Yes	E201401593	4/3/2014	IA-07	588163.3	728226.0	149.26	PVC	2	PVC Screen	57.0	47.0	-	57.0
MW-269C	5E	No	E201401594	4/7/2014	IA-07	588157.6	728220.5	149.03	PVC	2	PVC Screen	125.0	115.0	-	125.0
MW-270A	4E	Yes	E201401596	3/26/2014	IA-07	588348.5	728502.6	154.79	PVC	2	PVC Screen	62.0	52.0	-	62.0
MW-271A	3E	Yes	E201404694	5/6/2014	IA-12	588622.5	729418.0	150.96	PVC	2	PVC Screen	60.0	50.0	-	60.0
MW-271B	4E	No	E201404618	5/6/2014	IA-12	588609.8	729420.1	150.29	PVC	2	PVC Screen	95.0	85.0	-	95.0
MW-271C	4E	No	E201404615	5/5/2014	IA-12	588618.4	729404.8	151.06	PVC	2	PVC Screen	135.0	125.0	-	135.0
MW-273B	1W	No	E201401462	2/11/2014	IA-10	586351.6	730565.1	123.11	PVC	2	PVC Screen	51.5	41.5	-	51.5
MW-273C	1W	No	E201401463	2/18/2014	IA-10	586357.6	730554.6	122.59	PVC	2	PVC Screen	102.2	92.2	-	102.2
MW-274A	OVB	Yes	E201404620	2/24/2014	IA-10	585896.9	730012.7	128.20	PVC	2	PVC Screen	20.0	5.0	-	20.0
MW-274B	1W	No	E201404621	4/28/2014	IA-10	585902.8	730023.7	127.31	PVC	2	PVC Screen	65.0	55.0	-	65.0
MW-274C	1W	No	E201404622	4/29/2014	IA-10	585909.7	730034.5	126.57	PVC	2	PVC Screen	95.0	85.0	-	95.0
MW-275B	3W	No	E201405043	5/6/2014	IA-10	586671.4	728554.8	105.38	PVC	2	PVC Screen	45.0	35.0	-	45.0
MW-276A	4E	Yes	E201403620	4/3/2014	IA-13	587900.3	727544.7	115.45	PVC	2	PVC Screen	30.0	20.0	-	30.0
MW-276B	5E	No	E201403621	4/8/2014	IA-13	587896.9	727533.1	114.83	PVC	2	PVC Screen	55.0	45.0	-	55.0
MW-276C	5E	No	E201403622	4/16/2014	IA-13	587892.6	727522.0	114.46	PVC	2	PVC Screen	90.0	80.0	-	90.0
MW-286A	OVB	Yes	E201401095	1/28/2014	IA-10	586249.3	729818.7	118.46	PVC	2	PVC Screen	10.3	2.3	-	10.3
MW-288B	2E	No	E201403944	4/15/2014	IA-07	587466.6	728623.0	113.46	PVC	2	PVC Screen	54.7	34.7	-	54.7
MW-295A	2E	Yes	E201404289	4/17/2014	IA-12	587944.9	729711.1	129.92	PVC	2	PVC Screen	25.0	10.0	-	25.0

Attachment 6
Well Construction Details Table - Long-Term Monitoring Network
2024
Former Hoffmann-La Roche Inc. Facility - Nutley, NJ

Well Designation	Hydro-geologic Unit (HGU)	Shallow (Yes/No)	Permit Number	Date Installed	Investigative Area (IA)	NJ State Plane Coordinates (Survey ft, NAD83)		Measuring Pt. Elevation (ft msl) (NAVD88)	Casing Type	Casing Diameter (inches)	Open Interval Type	Total Depth (ft bgs)	Open Interval Depth (ft bgs)		
						East (X)	North (Y)								
MW-295C	3E	No	E201511978	10/13/2015	IA-12	587940.4	729709.5	129.85	steel	6	Open Hole	84.7	76.7	-	84.7
MW-304A	4E	Yes	E201510844	9/14/2015	Off-site	587206.2	727725.7	101.04	PVC	4	PVC Screen	20.0	10.0	-	20.0
MW-304B	4E	No	E201510845	9/15/2015	Off-site	587211.9	727718.8	101.18	PVC	4	PVC Screen	50.0	30.0	-	50.0
MW-304C	5E	No	E201510846	9/18/2015	Off-site	587212.9	727739.8	100.99	PVC	4	PVC Screen	90.0	70.0	-	90.0
MW-347B	3W	No	E201407735	6/24/2014	IA-10	586519.8	728894.0	109.38	PVC	2	PVC Screen	60.0	40.0	-	60.0
MW-348B	3W	No	E201407806	6/27/2014	IA-10	586485.8	728818.8	109.45	PVC	2	PVC Screen	60.0	50.0	-	60.0
MW-349B	3W	No	E201408235	7/8/2014	IA-10	586629.3	728709.4	106.47	PVC	2	PVC Screen	60.0	40.0	-	60.0
MW-349C	4W	No	E201408236	7/9/2014	IA-10	586625.1	728703.5	106.35	PVC	2	PVC Screen	100.0	90.0	-	100.0
MW-351C	4W	No	E201409431	8/1/2014	IA-04	587469.9	729456.4	122.98	PVC	2	PVC Screen	87.5	62.5	-	87.5
MW-353A	3E	Yes	E201501296	3/16/2015	Off-site	588636.6	729618.1	146.95	PVC	2	PVC Screen	55.0	45.0	-	55.0
MW-353B	3E	No	E201501297	3/15/2015	Off-site	588639.7	729614.4	146.95	PVC	2	PVC Screen	84.0	74.0	-	84.0
MW-353C	4E	No	E201501299	3/15/2015	Off-site	588642.2	729615.5	147.15	PVC	2	PVC Screen	130.0	120.0	-	130.0
MW-357A	2W	Yes	E201409766	8/4/2014	IA-01	587128.4	729942.4	121.25	Steel	6	Open Hole	25.4	15.4	-	25.4
MW-366B	4E	No	E201412402	9/30/2014	IA-11	587370.3	727747.0	103.68	PVC	2	PVC Screen	45.0	35.0	-	45.0
MW-373B	4E	No	E201502842	12/16/2014	IA-07	587757.3	728110.6	137.93	PVC	2	PVC Screen	77.0	67.0	-	77.0
MW-373C	5E	No	E201502843	12/16/2014	IA-07	587751.1	728113.2	137.48	PVC	2	PVC Screen	118.0	108.0	-	118.0
MW-375A	2E	Yes	E201414287	12/5/2014	IA-12	588450.6	729520.3	143.37	Steel	6	Open Hole	54.0	34.0	-	54.0
MW-375B	3E	No	E201414288	11/21/2014	IA-12	588465.3	729510.8	144.35	PVC	2	PVC Screen	78.0	68.0	-	78.0
MW-375C	4E	No	E201414289	1/22/2015	IA-12	588473.5	729505.9	144.76	PVC	2	PVC Screen	135.0	115.0	-	135.0
MW-376B	3E	No	E201414290	11/14/2014	IA-12	588446.8	729085.7	151.37	PVC	2	PVC Screen	86.0	76.0	-	86.0
MW-376C	4E	No	E201414291	11/25/2014	IA-12	588440.9	729090.6	150.96	PVC	2	PVC Screen	128.0	113.0	-	128.0
MW-377B	4E	No	E201500786	11/13/2014	IA-07	588132.9	728812.1	145.15	PVC	2	PVC Screen	90.0	80.0	-	90.0
MW-377C	4E	No	E201500787	12/16/2014	IA-07	588135.4	728816.5	145.21	PVC	2	PVC Screen	118.0	108.0	-	118.0
MW-383A	2W	Yes	E201415541	12/2/2014	IA-12	587939.1	729799.2	129.85	Stainless	2	Stainless Screen	25.0	10.0	-	25.0
MW-391C	3W	No	E201415873	1/26/2015	IA-01	586821.0	729860.3	123.29	PVC	2	PVC Screen	123.6	113.6	-	123.6
MW-394C	3W	No	E201415860	2/10/2015	IA-01	586878.1	730153.2	119.38	PVC	2	PVC Screen	103.0	93.0	-	103.0
MW-416A	2W	Yes	E201501198	3/13/2015	IA-01	586759.1	729639.6	118.65	Steel	6	Open Hole	38.0	19.0	-	38.0
MW-416B	2W	No	E201501197	3/18/2015	IA-01	586752.3	729637.8	118.58	Steel	6	Open Hole	55.0	45.0	-	55.0
MW-416C	3W	No	E201501192	3/19/2015	IA-01	586759.2	729633.1	118.53	PVC	2	PVC Screen	115.0	105.0	-	115.0
MW-453C2	5E	No	E201509739	9/29/2015	IA-11	587440.6	727990.1	109.35	PVC	2	PVC Screen	110.0	90.0	-	110.0
MW-457C1	4E	No	E201509602	10/5/2015	IA-11	587377.3	728099.3	106.69	PVC	2	PVC Screen	79.9	59.9	-	79.9
MW-483B	2W	No	E201511555	12/29/2015	IA-10	586416.8	729110.0	112.48	PVC	2	PVC Screen	60.0	50.0	-	60.0
MW-483C	2W	No	E201511552	10/29/2015	IA-10	586425.3	729108.4	112.19	PVC	2	PVC Screen	80.0	60.0	-	80.0
MW-487A	1W	Yes	E201511649	10/12/2015	Off-site	586363.2	729499.4	114.35	PVC	2	PVC Screen	20.0	10.0	-	20.0
MW-495B	3E	No	E201514806	12/31/2015	IA-07	587410.1	728813.7	112.66	PVC	2	PVC Screen	50.5	40.5	-	50.5
MW-503C	3E	No	E201701479	2/14/2017	IA-07	587381.7	728801.6	110.68	PVC	2	PVC Screen	80.5	60.5	-	80.5

Notes:
NAD 83 = North American Datum of 1983.
NAVD 88 = North American vertical Datum of 1988.
ft bgs = feet below ground surface.
OVB = Overburden

ATTACHMENT 7

Roche Groundwater Biennial Certification

GWQS Order of Magnitude Evaluation of Site Contaminants of Concern

2024

Attachment 7
GWQS Order of Magnitude Evaluation of Site Contaminants of Concern
Former Hoffmann-La Roche Inc. Site
Nutley, New Jersey
NJDEP SRP PI #s 009949, 614465, and 625447
GW RAP210001

Contaminant (µg/L)	Ground Water Quality Standard (10/27/2022)	Ground Water Quality Standard (10/27/2024)
Benzene	1	1
Carbon tetrachloride	1	1
Chlorobenzene	50	50
Chloroethane	5	5
1,1-Dichloroethane	50	50
1,2-Dichloroethane	2	2
1,1-Dichloroethene	1	1
cis-1,2-Dichloroethene	70	70
1,4-Dioxane	0.4	0.4
2-Hexanone	40	40
Methyl tert-butyl ether	70	70
Tetrachloroethylene	1	1
Trichloroethylene	1	1
Vinyl Chloride	1	1

Notes

1. Concentrations in micrograms per liter (µg/L)
2. The select volatile organic compounds (VOCs) and 1,4-dioxane parameters presented on this table are based on the required parameters included in the October 2022 Ground Water Remedial Action Permit RAP210001.

ATTACHMENT 8

Roche Groundwater Biennial Certification

Contaminants of Emerging Concern (CECs) Evaluation

2024

Attachment 8
Contaminants of Emerging Concern Evaluation

As part of the Ground Water Remedial Action Protectiveness / Biennial Certification Form, Roche has conducted an evaluation of contaminants of emerging concern (CECs), specifically 1,4-dioxane, perchlorate, per- and polyfluoroalkyl substances (PFAS), and 1,2,3-trichloropropane (1,2,3-TCP), as required to determine whether these compounds are contaminants of concern (COCs) within the former Hoffman-LaRoche Site (Site) associated with Ground Water Remedial Action Permit (RAP) #210001.

One of the CECs, 1,4-dioxane, is a COC being remediated under RAP #210001.

In accordance with applicable NJDEP guidance (NJDEP, 2019, 2021, 2021a), Roche conducted an evaluation of current and former operations and hazardous substance inventories to determine whether the other CECs were stored, handled, used, manufactured, disposed of, or discharged at the Site. NJDEP Guidance and relevant references used in the evaluation are cited below.

Based on the results of the evaluation, perchlorate and 1,2,3-TCP are not COCs at the Site; therefore, no further investigation of these CECs is warranted.

Roche evaluated operations at its former Nutley facility to determine whether PFAS should be considered a COC. That evaluation resulted in a focused groundwater sampling event for PFAS. Those samples revealed exceedances of the NJDEP's GWQS for PFNA, PFOS, and PFOA. The NJDEP Hotline was notified of these findings, and the NJDEP assigned Incident # 2021-10-14-1322-14 to the new case. Roche will conduct a RI of PFAS under that new number; Roche will perform the new RI and any RA required in accordance with the deadlines associated with the new case.

References

Eastern Research Group 2019. PFAS Handling Industry Sectors – IV. https://www.nj.gov/dep/srp/guidance/srra/pfas_handling_industry_sectors.pdf

ITRC 2005. *Perchlorate: Overview of Issues, Status, and Remedial Options*. Technology Overview. September 2005.

ITRC 2020. *PFAS Uses*. PFAS Technical and Regulatory Guidance Document and Fact Sheets PFAS-1. https://pfas-1.itrcweb.org/2-5-pfas-uses/?print=pdf

ITRC 2020a. *History and Use of Per- and Polyfluoroalkyl Substances (PFAS)* Fact Sheet. April 2020. https://pfas-1.itrcweb.org/fact_sheets_page/PFAS_Fact_Sheet_History_and_Use_April2020.pdf

Kielhorn, J. et al. 2003. *Concise International Chemical Assessment Document 56: 1,2,3-Trichloropropane*. World Health Organization. 2003.

NJDEP 2019. *Site Remediation and Waste Management Program Implementation of March 13, 2019 Interim Specific Ground Water Quality Standards. May 23, 2019.*

NJDEP 2021. *Addressing Contaminants of Emerging Concern (CECs) and Remedial Investigation and Remedial Action Timeframes for Existing Cases.* August 5, 2021.

NJDEP 2021a. *Contaminants of Emerging Concern Frequently Asked Questions*. August 5, 2021.

USEPA 2017. *Technical Fact Sheet – 1,2,3-Trichlorpropane (TCP)*. OSWER. EPA-505-F-17-007. November 2017.

ATTACHMENT 9

Roche Groundwater Biennial Certification

Updated Property Tax Map

2024

NEW JERSEY STATE HIGHWAY ROUTE 3
180' WIDE

BLOCK 80.02 LOT 1.08
BLOCK 80.02 LOT 1.09
BLOCK 80.02 LOT 4.13
BLOCK 80.02 LOT 4.14
BLOCK 80.02 LOT 4.10
BLOCK 80.02 LOT 4.11
BLOCK 80.02 LOT 1.10
BLOCK 80.02 LOT 4.12
BLOCK 79.04 LOT 10
BLOCK 80.02 LOT 1.06
BLOCK 80.02 LOT 1.07
BLOCK 80.02 LOT 4.08
NORFOLK SOUTHERN RAILWAY
"ISABELLA STREET"
ISABELLA STREET
WARD AVENUE 60' WIDE
50' WIDE
COLIN AVENUE
WATER STREET VARIABLE WIDTH
"METRO BOULEVARD"
BLOCK 80.02 LOT 1.01
BLOCK 80.02 LOT 4.07
BLOCK 79.04 LOT 21
BLOCK 80.02 LOT 4.03
"PRISM WAY"
"PRISM WAY"
"IDEATION WAY"
MONTCLAIR AVENUE 50' WIDE
BLOCK 80.02 LOT 1.03
BLOCK 80.02 LOT 1.04
BLOCK 80.02 LOT 1.05
BLOCK 80.02 LOT 4.01
BLOCK 80.02 LOT 4.02
CITY OF CLIFTON–PASSAIC COUNTY
TOWNSHIP OF NUTLEY–ESSEX COUNTY
KENZEL AVENUE 50' WIDE
BLOCK 102 LOT 2
BLOCK 200 LOT 1
BLOCK 200 LOT 2
BLOCK 201 LOT 1.02
BLOCK 201 LOT 1.01
BLOCK 300 LOT 1.03
ORANGE STREET 50' WIDE
BLOCK 200 LOT 24
WINDSOR PLACE 50' WIDE
BLOCK 300 LOT 1.04
BLOCK 300 LOT 1.05
BLOCK 200 LOT 3
BLOCK 201 LOT 1.03
BLOCK 300 LOT 1.02
Norfolk Southern railway main track no. 1 and main track no. 2
BLOCK 201 LOT 1 WEST
BLOCK 201 LOT 1 EAST
BLOCK 300 LOT 1
BLOCK 300 LOT 1.07
MONTCLAIR AVENUE 50' WIDE
CATHEDRAL AVENUE 50' WIDE
BLOCK 200 LOT 4
BLOCK 200 LOT 8
BLOCK 200 LOT 5
BLOCK 300 LOT 1.01
BLOCK 2000 LOT 1
KINGSLAND 50'
BLOCK 300 LOT 1.06
KINGSLAND STREET
VARIABLE WIDTH
BLOCK 2001 LOT 1
BLOCK 2001 LOT 4
BLOCK 2001 LOT 5

LEGEND

PROPERTY BOUNDARY

BLOCK AND LOT BOUNDARY

N

0 200 400

SCALE IN FEET

PROJECT:
FORMER HOFFMANN-LA ROCHE INC. FACILITY
NUTLEY, NEW JERSEY

TITLE:
TAX MAP

DRAWN BY:	L. BOCHKIS	PROJ NO.:	105009
CHECKED BY:	P. OLSEN		
APPROVED BY:	D. NACHMAN		**ATTACHMENT 9 FIGURE 1**
DATE:	OCTOBER 2024		

TRC
41 Spring Street
Suite 102
New Providence, NJ 07974
Phone: 908.988.1700

FILE NO.: Roche Tax Map.dwg

1to1 — ATTACHED IMAGES — ATTACHED IMAGES
DRAWING NAME: M:\Cad Files\Vision Projects\Roche\2024 Roche Tax Map.dwg — PLOT DATE: October 09, 2024 - 9:58AM — LAYOUT: Layout1